



County Palatine of Chester

REPORT

for the Year

1966

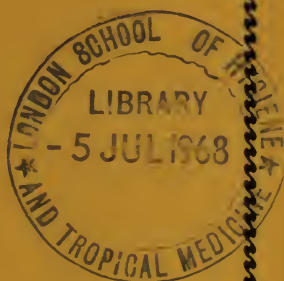
BY THE

County Medical Officer of Health

Presented to the

County Health Committee

17th January, 1968



REPORT

OF THE

County Medical Officer of Health

For the Year ended 31st December, 1966

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INTRODUCTION



*To the Chairman and Members
of the County Health Committee*

Mr. Chairman, Ladies and Gentlemen,

I have the honour to present my first Annual Report on the health of the Administrative County of Cheshire for the year 1966. This report will essentially deal with events during that year, and changes taking place in 1967 will be described in the next Annual Report.

First I would like to pay a warm tribute to the work of my predecessor, Dr. Arnold Brown, who held office as Deputy County Medical Officer from 1940 to 1947 and then as County Medical Officer until his retirement on 2nd April, 1967. Dr. Arnold Brown held office during that fruitful and exciting period of post-war reconstruction. Soon after taking office he was responsible for the implementation of the County Health Committee's responsibilities under the National Health Service Act, 1946, and the setting up of the system of divisional administration. He also directed the implementation of the Health Committee's functions under the Mental Health Act, 1959. Dr. Arnold Brown will be remembered for his deep interest in the problem of coronary heart disease in middle life and his published work on this subject.

The medical staff was joined by Dr. I. B. Craighead, who was appointed to succeed Dr. K. J. Shaw as Principal Medical Officer for Maternal and Child Welfare and the Nursing Service. Dr. Craighead had previously had experience of this work with the Birmingham County Borough.

The birth rate was 17.8 per 1,000 population, a slight reduction from 1965. 5.1 per cent of live births were illegitimate—a slight increase on the figure for 1965. There were 270 stillbirths, representing a stillbirth rate of 14.6 per 1,000 total live and still births, which is a record low figure.

Deaths were 11,915, a death rate of 11.6 per 1,000 population. The infantile mortality was 17.2 (a record low) compared with a national figure of 18.6 for the same period.

It is pleasing to note that there were no deaths from whooping cough, nor diphtheria, but there were three deaths from measles. In a year with a high incidence of measles thought is naturally directed towards the need for vaccination against this disease, and I am pleased to report that a vaccine, is at the time of writing, at an advanced stage of development. As compared with the previous year deaths from vascular disease of the nervous system increased, whilst those for coronary occlusion fell, which is an encouraging change from the trend over the last twenty years. The influenza epidemic took a heavy toll (82 as compared with five in 1965).

The use of the computer for recording and planning immunising procedures continues. Whilst this will undoubtedly bring many long-term benefits, the process of changing over to this method is not without its difficulties. However, the process is gaining acceptance by an increasing number of general practitioners and the service is gradually spreading throughout the County.

The work of the Ambulance Service showed a steady increase. The team entered from Northwich Station won the County Competition, the North Regional Competition and finally came fourth in the National Competition—a very creditable performance. The work of the training school at Northwich continued and attendance at this course qualifies ambulance personnel to receive first aid pay. The Committee agreed that in cases of outstanding merit and devotion to duty, a certificate of commendation should be awarded.

In keeping with the national trend, the position regarding tuberculosis continued to improve. Primary notifications and deaths were both a record low and the further contraction of the numbers at Wrenbury Hall obliged the Committee to plan its final closure as a Tuberculosis Colony as from 31st March, 1968. I would like to pay tribute to all those who have striven towards the control of tuberculosis and to all who have given a lifetime of service to the Colony at Wrenbury.

Of the tuberculosis notifications being received the age incidence is little different from recent years. It is no longer essentially a disease of young people, for its incidence is highest in the 45—54 age group for males and in the 35—44 age group for females.

Mass miniature radiography units were again active, and 40,408 persons were examined in the Administrative County, of whom 33

were found to have active tuberculosis and seven cancer of the lung. B.C.G. vaccination was given to 9,225 children and young persons, and in addition 437 persons were vaccinated as 'contacts'.

Health education is a branch of the work of the department which is likely to be developed. The Central Council for Health Education was invited to organise a day conference at which members of the Health, School Health and Dental, Education and Children's departments were represented. At this conference it was agreed that a common approach to this problem would be worked out.

Demand for chiropody while remaining high seems to be levelling off. Treatments given to the over 65 age group rose only from 57,225 to 58,321.

Likewise, after a great burst of initial demand, the requests for cervical smears appear not to be increasing at their former rate. The great difficulty in this service is making contact with those most vulnerable to the disease, namely those in poor circumstances who have had a large number of pregnancies. Those who come forward readily are more often from the less vulnerable groups. During the year 9,470 women were examined, and of these 250 needed further investigation, and 40 had carcinoma, which otherwise had not come to light.

Of infectious diseases the trend over the past ten years is encouraging in the case of whooping cough. Outstanding is the persistence of measles (16,814 notifications). This disease leaves in its wake a number of complications, which have more permanent effects than is generally realised. The need for a vaccination scheme against measles has been referred to above.

Ante- and post-natal clinics at Cheadle and Stalybridge were closed, which is an indication of the welcome trend of general practitioners dealing with their own patients on a clinic basis. New midwives clinics were established at Winsford (Wharton) and Winsford (Over).

New Young Children's Clinics were started during the year at Greasby, Sale Moor (Conway Road) and Winsford (Wharton).

As a result of positive measures to aid recruitment in the Domestic Help Service the number of hours worked increased from 691,714

in 1965 to 752,284 in 1966, while the number of cases helped rose from 5,342 to 5,889 during the same period.

The number of blind persons on the register rose from 1,735 in 1965 to 1,820. This is mainly a reflection of the ageing population, for those in the over 70 age group rose from 1,066 to 1,141 in the same period.

In the Mental Health Service the numbers attending the day centres for those suffering from subnormality continued to grow, and the need to commence the second phase of the development programme, namely centres at Deeside, Runcorn and Cheadle, is now becoming urgent. Regarding mental illness, the pattern of admission to hospital is strikingly different in the areas of the two Regional Hospital Boards. In the Manchester Regional Hospital Board area admissions rose from 1,149 in 1965 to 1,170 in 1966, whilst in the Liverpool Regional Hospital Board area they fell from 747 in 1965 to 694 in 1966. This may reflect the relative availability of out-patient treatment.

Work with the physically handicapped continued and the most notable development during the year was the complete review of the needs of the physically handicapped (blind and sighted disabled) in the Manchester conurbation in which Cheshire took part. Notable also was the setting up by the Ministry of Health (Liverpool Regional office) of the Industrial Therapy organisation which is aimed at bringing together industrialists and public authorities with a view to providing work for the disabled.

In the public health field, the decision of the Ministry of Agriculture, Fisheries and Food to bring in a two-stage scheme to eradicate brucellosis from the herds of this country was welcomed. The first stage is to be the building up of a register of brucella-free herds on a voluntary basis to form a reservoir of disease-free stock. When this register is considered adequate, the second stage will commence, consisting of area-by-area eradication involving the slaughter of all reactors with compensation. During the year the Ministry of Health issued a circular giving guidance to Medical Officers of Health in dealing with brucella-infected milk supplies on sale to the public. In Cheshire, being a large milk producing County, considerable interest has been shewn in this problem for some years, and the majority of the recommendations of the two Ministries was already in operation.

The report of Cheshire's Working Party on the public health aspect of intensive farming, to which reference was made in the Annual Report for 1965, received wide commendation throughout the country and more than 1,000 copies have been sold.

In conclusion, I would like to thank the County Health Committee, especially its Chairman and Deputy Chairman for their support in our work. My thanks are also due to my deputy, the medical staff of the department, the chief administrative assistant and the lay staff upon whose combined effort the work of the department depends.

I beg to remain,

Your obedient servant,,

B. G. GRETTON-WATSON,
County Medical Officer.

December, 1967.

1870
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1870. The names are given in alphabetical order of their surnames.

1871
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1871. The names are given in alphabetical order of their surnames.

1872
The following is a list of the names of the persons who have been elected to the office of Justice of the Peace for the year 1872. The names are given in alphabetical order of their surnames.

Staff of the Public Health Department

County Medical Officer of Health and Principal School Medical Officer	B. G. Gretton-Watson, M.A., M.B., B.Ch., D.P.H., Barrister-at-Law
Deputy County Medical Officer of Health	A. H. Snaith, M.D., M.C.Path., D.P.H.
Principal Medical Officer	Isabel Craighead, M.B., Ch.B., D.C.H., D.P.H.
Senior School Medical Officers	R. Cargill, M.B., Ch.B. Irene Chesham, M.B., Ch.B., D.P.H.
County Psychiatrist	H. Craig, L.R.C.P. & S., L.R.F.P.S.
Principal Medical Officer for Mental Health	R. A. Blyth, M.B., Ch.B., M.R.C.S., L.R.C.P.
Senior Assistant Medical Officer for Mental Health	Dorothy Moody, L.R.C.P., L.R.C.S.I., D.C.H., D.P.H.
Assistant County Medical Officers	Mary Allison, M.B., Ch.B. Jessie Anderson, M.B., Ch.B., D.P.H. (part-time) Helen Brass, M.B., B.A.O., B.Ch. Margaret Brook, B.A., M.B., Ch.B. Arnold Brown, M.B., Ch.B., D.P.H. Margaret Crosland, M.B., Ch.B. (part-time) Jean Dowler, M.B., Ch.B. (part-time) Nancy Edmondson, M.B., Ch.B. (part-time) Aitolia English, M.R.C.S., L.R.C.P., M.B., B.S., D.C.H. Brenda Evans, M.B., Ch.B. Doreen Ginever, M.B., Ch.B. (part-time) Jean Halliwell, M.B., Ch.B., M.R.C.S., L.R.C.P., D.R.C.O.G., D.C.H. Betty Hinchliffe, M.B., Ch.B. (part-time) Barbara Jones, M.B., Ch.B. Cita Kershaw, M.B., Ch.B. (part-time) Anne Lee, B.A., M.B., B.Ch., B.A.O., D.R.C.O.G. (part-time) Hilda Levis, M.R.C.S., L.R.C.P., M.B., B.S., D.P.H. Hilda Lloyd, M.R.C.S., L.R.C.P. Joan McCann, M.B., Ch.B. (part-time) L. P. Moore, M.A., M.R.C.S., L.R.C.P. Sheila Sherrington, M.B., B.S. W. Snape, M.R.C.S., L.R.C.P. Elizabeth South, M.B., Ch.B. (part-time) Ruth Staunton, M.B., Ch.B., D.P.H. Jessie Tough, M.B., Ch.B., D.P.H. Margaret Winton, M.B., Ch.B. Joyce Vasey, M.B., B.S.
Divisional Medical Officers	
Altrincham	E. H. Gordon, M.D., B.Ch., B.A.O., D.P.H.
Bebington	H. C. Jennings, M.B., Ch.B., D.Obst., R.C.O.G., D.P.H.
Cheadle and Wilmslow	J. A. Leitch, M.D., Ch.B., D.C.H., D.P.H.
Crewe	D. G. Crawshaw, M.B., M.R.C.S., D.C.H., D.P.H.

Divisional Medical Officers—continued

Deeside	D. R. Morris, M.B., Ch.B., D.P.H.
Hyde	A. S. Darling, M.B., B.Ch., D.C.H., D.P.H.
Macclesfield	W. R. Plews, L.R.C.P. & S., D.R.C.O.G., D.P.H.
Mid-Cheshire	F. Seymour, M.B., Ch.B., D.P.H.
Nantwich	R. K. Hay, M.D., B.Ch., B.A.O., D.P.H.
N.E. Cheshire	T. W. Brindle, M.B., Ch.B., D.P.H.
Runcorn	
Sale and Lymm	
S.E. Cheshire	L. Rich, M.B., Ch.B., M.R.C.O.G., D.P.H.
S.W. Cheshire	W. A. Pollitt, M.R.C.S., L.R.C.P., D.P.H.
Stalybridge and Dukinfield	T. Holme, M.B., Ch.B., D.P.H.
County Analyst	J. G. Sherratt, F.R.I.C.
Dental Surgeons	A. F. Hely, C.B., L.D.S. (Principal) D. M. Dodd, B.D.S. (Deputy Principal) A. E. Allen, L.D.S., R.F.P.S. Edith Andrew, L.D.S. J. B. Andrew, L.D.S., R.C.S., B.D.S. P. J. Atkinson, B.D.S. (part-time) Elizabeth R. Brown, L.D.S. (part-time) Jacqueline Brown, L.D.S. (part-time) Dorothy Coates, L.D.S. Elizabeth Clark, B.D.S. (part-time) Beryl Clarkson, B.D.S. G. H. Craine, B.D.S. Margaret Davidson, L.D.S. (part-time) Margaret Davis, B.D.S. (part-time) Trudy Dickson, B.D.S. (part-time) T. P. Dykes, L.D.S. (part-time) Lorna Fernley, L.D.S., B.Ch.D. Patricia Gass, L.D.S., R.C.S. Joy Harryman, L.D.S. (part-time) G. J. Hartley, L.D.S. R. H. Hurst, L.D.S. H. Jackson, L.D.S. Ann Jordan, B.D.S. (part-time) Lisbeth Kippen, L.D.S., D.P.D. Irene Kurer, B.D.S. (part-time) J. W. Langdon, L.D.S. A. N. Leicester, B.D.S. Maureen Lloyd-Baker, B.D.S. R. H. McConnell, L.D.S., R.F.P.S. H. P. Meed, L.D.S. F. R. Morrey, L.D.S. W. N. L. Morrey, L.D.S. Ruth Owen, L.D.S. A. C. Penlington, B.D.S. Janet Rayner, B.D.S. Susan Scanlan, B.D.S. (part-time) K. V. Shute, L.D.S. E. J. Taylor, L.D.S. (part-time) Margaret Thomson, B.D.S. Dorothy Walker, L.D.S. Doreen Wilson, L.D.S. (part-time)

Divisional Medical Officers—continued

Ophthalmic Surgeons (Part-time)

A. R. Alvi, M.B., B.S., D.T.M. & H., D.O.
F. W. C. Brown, M.D., Ch.B., D.P.H.
J. D. E. Edwards, M.B., Ch.B., D.O.M.S.,
R.C.P.S.I.
Nora English, M.B., B.Ch., B.A.O., D.O.
D. W. Ellis-Jones, M.B., Ch.B.,
D.T.M. & H., D.O.
A. Holmes-Smith, M.A., M.B., B.Chir.,
D.O.M.S.
E. M. Jenkins, M.B., Ch.B., D.P.H.
A. K. Mitra, M.B., D.G.O., D.O.
Dorothy Simmons, M.B., Ch.B.

Paediatrician (Part-time)

J. D. Allan, M.D., F.R.C.P.

Ear, Nose and Throat Surgeon (Part-time)

O. T. Taylor, M.B., Ch.B.

Chief Administrative Assistant

B. O'Connor, M.A., Barrister-at-Law

County Ambulance Officer

R. G. Jones

Assistant County Ambulance Officer

D. Carter

County Health Inspector

W. Pembleton, F.R.S.H., M.A.P.H.I.

Deputy County Health Inspector

J. M. Farrall, A.R.S.H., M.A.P.H.I.

Chief Mental Welfare Officer

T. Rattray, M.S.M.W.O.

Superintendent Health Visitor

Miss M. Okill, S.R.N., S.C.M., H.V.

Superintendent of Home Nursing

Miss I. N. Vaughan, Q.N., S.R.N.,
S.C.M., H.V.

Non-Medical Supervisor of Midwives

Miss K. Heron, Q.N., S.R.N., S.C.M.

Assistant Superintendents of Home Nursing

Miss L. Jacks, Q.N., S.R.N., S.C.M., H.V.
Miss M. M. Farrall, Q.N., S.R.N., S.C.M.,
H.V.

HEALTH VISITORS AND SCHOOL NURSES (157)

	CIVIL PARISHES	CENTRES & CLINIC
1.		
Mrs. M. L. Baker, The Flat, Broomfield, Meols Drive, Hoylake, Wirral	Hoylake U.D. (Meols & Hoose Wards)	Broomfield, Meols Drive, Hoylake (Tel. Hoylake 2) Welfare Centre—Thurs., p.m. Ante-Natal Clinic—Tues., a.m. Screening Clinic—1st & 3rd Mon.
2.		
	Hoylake U.D. (Central, Park & South Wards)	Broomfield, Meols Drive, Hoylake Welfare Centre—Thurs., p.m. Young Children's Clinic— 1st Fri., a.m. (Alt. Mon.) Ante-Natal Clinic—Alt. Tues., Preparation Class—Wed., p.m. Screening Clinic—1st Mon., p.m. Geriatric Clinic—1st Tues., p.m. Parish Hall, West Kirby Welfare Centre—Fri., p.m.
3.		
Mrs. E. E. Brown, 20, Grasmere Drive, Wallasey	Hoylake U.D. (Grange Ward, Caldy and Frankby Ward Pt. ii—Caldy)	Broomfield, Meols Drive, Hoylake Young Children's Clinic—1st Fri. a.m. (alt. Mon.) Ante-Natal Clinic—Alt. Tues., Screening Clinic—1st & 3rd Mon. Paediatric Clinic—3rd Tues., p.m. Preparation Class—1st & 3rd Wed. Parish Hall, West Kirby Welfare Centre—Fri., p.m. Parish Hall, Newton Welfare Centre—2nd and 4th Wed.
Mrs. N. M. Walters, Clinic Nurse		Broomfield, Meols Drive, Hoylake Eye Clinic—2nd and 4th Mon. Ante-Natal Clinic—Tues., a.m. Cytology Clinic—Alt. Wed., a.m. B.C.G. Clinic—4th Thurs., a.m. M.A. Clinic—Fri., a.m. Paediatric Clinic—3rd Tues., p.m. Parish Hall, Newton Welfare Centre—2nd and 4th Wed.
4.		
Miss D. Maybury, 12, Far Meadow Lane, Irby, Heswall, Wirral (Tel. Irby 2564)	Hoylake U.D. (Greasby Ward Pt. i and Frankby Ward Pt. i)	Greasby Road, Greasby (Tel. Arrowebrook 9) Welfare Centre—Tues., p.m. Screening Clinic—1st Fri., p.m. Ante-Natal Clinic—Alt. Tues., Preparation Class—Thurs., a.m. Young Children's Clinic—2nd Mon. Paediatric Clinic—2nd Thurs.,

CIVIL PARISHES	CENTRES & CLINICS
<p>M. F. Cordon, Westbrook Road, Aughall Massie, Wirral (Tel. Arrowebrook 6051)</p>	<p>Hoylake U.D. (Greasby Ward Pt. ii)</p> <p>Greasby Road, Greasby Welfare Centre—Tues., p.m. Ante-Natal Clinic—Alt. Tues., a.m. Cytology Clinic—1st and 3rd Mon., a.m. Eye Clinic—1st Thurs., p.m. Young Children's Clinic— 4th Wed., a.m. Screening Clinic—1st Fri., p.m. Presbyterian Church Hall, Heswall Handicapped Persons' Club— Alt. Fri., p.m.</p>
<p>E. J. Norman, Eastham Village Road, Eastham, Wirral (Tel. Eastham 1837)</p>	<p>Bebington M.B. (N. and part S. Brom. Wards)</p> <p>Eastham Rake, Eastham (Tel. Eastham 2411) Preparation Class—Mon., a.m. Ante-Natal Clinic—Fri., a.m. Council Offices, Bromborough (Tel. Brom. 2102) Young Children's Clinic— 4th Tues., p.m. Screening Clinic—2nd and 4th Fri., p.m. Welfare Centre—Thurs., a.m.</p>
<p>S. D. Roberts, 2, Egerton Park, Rock Ferry, Wirkenhead</p>	<p>Bebington M.B. (Park & New Ferry Wards)</p> <p>New Ferry Park (Tel. R.F. 1143) Welfare Centre—Wed., p.m. Ante-Natal Clinic—Wed., a.m. Geriatric Clinic—3rd Thurs., p.m. Clatterbridge Hospital Chest Clinic—1st & 3rd Mon., p.m.</p>
<p>E. Jones, 5, Raeburn Avenue, Eastham, Wirral (Tel. Eastham 1431)</p>	<p>Bebington M.B. (Eastham (pt. i) and Pt. S. Bromborough Wards)</p> <p>Eastham Rake, Eastham Welfare Centre—Mon., p.m. Ante-Natal Clinic—Fri., a.m. Screening Clinic—1st and 3rd Tues., p.m. Eye Clinic—2nd and 4th Thurs., p.m. Council Offices, Bromborough Screening Clinic—2nd and 4th Fri., p.m. Welfare Centre—Thurs., a.m.</p>
<p>S. D. V. Stamper, Hillary Road, Eastham, Wirral</p>	<p>Bebington M.B. (Woodhey and Pt. H. & L. Bebington Wards)</p> <p>New Ferry Park Screening Clinic—2nd and 4th Mon., a.m. Victoria Hall, Higher Bebington (Tel. Mountwood 1527) Welfare Centre—Tues., p.m. Screening Clinic—1st Fri., a.m.</p>
<p>A. N. Moulden, Moorside Avenue, Parkgate, Neston, Wirral (Tel. Neston 2912)</p>	<p>Bebington M.B. (Part Hr. Bebington Ward)</p> <p>Victoria Hall, Higher Bebington Welfare Centre—Tues., p.m. Screening Clinic—1st Fri., a.m. New Ferry Park Elderly Person's Clinic—2nd and 4th Thurs., p.m. Mayer Hall, Bebington Young Children's Clinic—3rd Thurs., p.m.</p>

CIVIL PARISHES

CENTRES & CLINICS

10.

Mrs. M. Woodbridge,
28, Ambleside Close,
Bromborough, Wirral

Bebington M.B.
(Poulton & Pt. L. Bebington
Wards)

New Ferry Park
Welfare Centre—Wed., p.m.
Ante-Natal Clinic—Wed., a.m.
Preparation Class—Mon., p.m.
Women's Institute, Thornton
Ho
Welfare Centre—1st and 3rd Fri
Mayer Hall, Bebington
(Tel. R.F. 1
Screening Clinic—2nd Mon., p.m.

11.

Miss E. Nicholson,
37, Mill Road,
Hr. Bebington, Wirral
(Tel. Mountwood 1949)

Bebington M.B.
(Sunlight and Pt.
L. Bebington Wards)

New Ferry Park
Paediatric Clinic—Tues., a.m.
Geriatric Clinic—3rd Thurs., p.m.
Mayer Hall, Bebington
Welfare Centre—Fri., p.m.
Screening Clinic—2nd Mon., p.m.

12.

Miss D. K. Whyte,
19, Linkside,
Hr. Bebington, Wirral
(Tel. Mountwood 3166)

Bebington M.B.
(Eastham Ward (pt. ii))

Eastham Rake, Eastham
Welfare Centre—Mon., p.m.
Screening Clinic—1st and 3rd
Tues., p.m.
Preparation Class—Mon., a.m.
Paediatric Clinic—Fri., p.m.
Geriatric Clinic—2nd Tues., p.m. (ex.)

Mrs. E. M. Ellis,
Clinic Nurse

New Ferry Park
M.A. Clinic—Mon., a.m.
Eye Clinic—Thurs., a.m.
Young Children's Clinic—
2nd Fri., a.m.
Eastham Rake, Eastham
Cytology Clinic—Tues. and Wed.

13.

Miss E. L. Roberts,*
4, Raby Court,
Pensby Road,
Heswall, Wirral

Neston U.D.
(Burton & Ness, Little
Neston Wards)

Mellock Lane, Neston
(Tel. Neston 2
Welfare Centre—Thurs., p.m.
Ante-Natal Clinic—Mon., a.m.
Paediatric Clinic—Thurs., p.m.
Geriatric Clinic—1st Wed., p.m.

13a.

Miss M. M. Trist,*†
18, Derwent Way,
Little Neston, Wirral

Neston (E. & W. Wards)
Willaston

Memorial Hall, Willaston
Welfare Centre—1st and 3rd Fri
Mellock Lane, Neston
Welfare Centre—Thurs., p.m.

14.

Miss M. M. Spence,*
Brendon,
Burrell Road,
Prenton, Birkenhead

Neston U.D.
(Leighton & Parkgate Wards)

Mellock Lane, Neston
Welfare Centre—Thurs., p.m.
Ante-Natal Clinic—Mon., a.m.
Presbyterian Church Hall,
Parkgate
Welfare Centre—1st & 3rd
Wed., p.m.

CIVIL PARISHES

CENTRES & CLINICS

M. J. Bennett,
Clinic Nurse

These Health Visitors attend this clinic on rota.
These Health Visitors attend the clinics opposite
on rota.

E. G. Sinden,
Gayton Grange
(Flat 2),
Askervyle Road,
Gayton, Wirral
(Tel. Heswall 2706)

Pensby

A. M. Kerton,
10, Rapport Road,
Wallasey

Irby
Thurstaston

A. C. Storry,
The Ridge,
Orange Cross Lane,
West Kirby,
Wirral
(Tel. Caldy 8029)

Barnston
Gayton

C. Evans,
Rigby Drive,
Reasby,
Wirral
(Tel. Arrowebrook 4496)

Irby South

J. Waghorn,
South Drive,
Gayton, Heswall,
Wirral
(Tel. Irby 3223)

Heswall
Oldfield

Mellock Lane, Neston
Eye Clinic—2nd and 4th Mon., p.m.
Young Children's Clinic—
1st and 3rd Tues., a.m.
Geriatric Clinic—1st Wed., p.m.
Cytology Clinic—
2nd & 4th Fri., a.m.
Mellock Lane, Neston
Ante-Natal Clinic—Mon., a.m.
Screening Clinic—2nd and 4th
Tues., a.m.
Preparation Clinic—Wed., a.m.

Pensby Road, Pensby
(Tel. Irby 3256)
Welfare Centre—Tues., p.m.
Preparation Clinic—Tues., a.m.
Screening Clinic—1st and 3rd
Fri., a.m.
Paediatric Clinic—1st and 4th
Thurs., p.m.

Pensby Road, Pensby
Welfare Centre—Thurs., p.m.
Preparation Class—Tues., a.m.
Eye Clinic—3rd Thurs., p.m.
Methodist Hall, Mill Hill Road,
Irby
Welfare Centre—
1st & 3rd Wed., p.m.
Screening Clinic—3rd Wed., a.m.

Telegraph Road, Heswall
(Tel. Heswall 3551)
Welfare Centre—Mon., p.m.
Young Children's Clinic—
1st Tues., p.m.
Preparation Class—Alt. Thurs., p.m.
Screening Clinic—
1st and 3rd Tues., a.m.
Ante-Natal Clinic—Thurs., a.m.
Ante-Natal Booking Clinic—
Tues., p.m.

Methodist Hall, Mill Hill Rd.,
Irby
Welfare Centre—1st and 3rd
Wed., p.m.
Screening Clinic—3rd Wed., a.m.
Pensby Road, Pensby
Welfare Centre—Tues., p.m.
Young Children's Clinic—
2nd and 4th Wed., p.m.
Preparation Class—Tues., a.m.

Telegraph Road, Heswall
Welfare Centre—Mon., p.m.
Young Children's Clinic—
3rd Tues., p.m.
Preparation Class—Thurs., p.m.
Ante-Natal Clinic—Alt. Thurs., a.m.
Screening Clinic—1st and 3rd
Tues., a.m.
Geriatric Clinic—4th Tues., p.m.

CIVIL PARISHES

CENTRES & CLINICS

Mrs. E. Delve,
Clinic Nurse

Telegraph Road, Heswall
Welfare Centre—Mon., p.m.
Young Children's Clinic—
1st, 2nd and 3rd Tues.,
Ante-Natal Clinic—Thurs., a.m.
Eye Clinic—1st and 3rd Fri., a.m.
Geriatric Clinic—4th Tues., p.m.
Cytology Clinic—
1st, 2nd & 3rd Wed.,
Paediatric Clinic—4th Tues., a.m.

18.

Miss J. F. Fawcett,†*
2, Glenathol Road,
Great Sutton,
Wirral

Ellesmere Port M.B.
(Sutton Ward, except pt. 1)

Old Chester Road, Great Sutton
(Tel. Hooton 2)
Welfare Centre—Mon., p.m.
Young Children's Clinic—
1st Mon.,
Ante-Natal Clinic—Wed., a.m.

18a.

Mrs. E. H. Smith,†*
The Croft,
Hooton Road,
Willaston, Wirral

Ellesmere Port M.B.
(Whitby III, pt. Sutton I)
Woodbank

Old Chester Road, Great Sutton
Welfare Centre—Mon., p.m.
Young Children's Clinic—
1st Mon.,
Ante-Natal Clinic—Wed., a.m.
Ellesmere Port
Handicapped Person's Club—
Thurs.,

19.

Miss K. E. Cawthorn,†
6, Quarry Avenue,
Bebington

Ellesmere Port M.B.
(Poole Ward)

Old Chester Road, Great Sutton
Ante-Natal Clinic—Wed., a.m.
Community Centre,
Little Sutton

*These Health Visitors attend the clinic opposite
on rota.

†These clinics are attended by the Health Visitors
on rota.

Welfare Centre—Thurs., a.m.
Old Chester Road, Great Sutton
Preparation Class—Thurs., p.m.

Screening Clinic—Tues., a.m.
(as required)

Paediatric Clinic—
1st and 3rd Tues.,
2nd and 4th Tues.,
Geriatric Clinic—3rd Tues., p.m.

Old Chester Road, Great Sutton
Paediatric Clinic—
1st and 3rd Tues.,
2nd and 4th Tues.,
Geriatric Clinic—3rd Tues., p.m.
Ante-Natal Clinic—Wed., a.m.
Immunisation Clinic—2nd Fri.

Mrs. E. M. Garner,
Clinic Nurse

20.

Mrs. J. M. Wilson,
12, Links Avenue,
Little Sutton,
Wirral

Ellesmere Port M.B.
(Westminster & Stanlow I
Wards)

Stanney Lane, Ellesmere Port
(Tel. E. Port 7)
Ante-Natal Clinic—Mon., a.m.
Congregational Church Hall
Grace Road, Ellesmere Port
Welfare Centre—1st and 3rd
Wed.

21.

Mrs. M. T. Slinger,*†
11, Avondale,
Whitby,
Ellesmere Port

Ellesmere Port M.B.
(Grange Ward)
Capenhurst

Stanney Lane, Ellesmere Port
Welfare Centre—Alt. Fri., p.m.
Ante-Natal Clinic—Wed., p.m.
Ellesmere Port Hospital
Paediatric Clinic—Thurs., a.m.

CIVIL PARISHES

CENTRES & CLINICS

2. ss G. M. Thorburn,*† 5, Broadland Gardens, Ellesmere Port	Ellesmere Port M.B. (Whitby Ward I) Ledsham	Stanney Lane, Ellesmere Port Welfare Centre—Fri., p.m. Audiology Clinic—2nd Tues., a.m. (quarterly) Ante-Natal Clinic—Alt. Wed., p.m. Smallpox Vaccination Clinic— 2nd Fri., p.m.
3. ss. M. Garratt,† Church Lane, Great Sutton	Ellesmere Port M.B. (Stanlow II Ward)	Stanney Lane, Ellesmere Port Welfare Centre—Tues., p.m. Ante-Natal Clinic— Mon., a.m.; Wed., p.m.
4. ss. E. Cummins, 5, Waterford Drive, Little Neston, Wirral	Ellesmere Port M.B. (Whitby Ward II)	Stanney Lane, Ellesmere Port Welfare Centre—Alt. Fri., p.m. Ante-Natal Pre-Booking Clinic— Tues., p.m.
5. ss. J. Coates, Clinic Nurse	Ellesmere Port M.B. (Victoria, Central A.B. and Grange B.A. Wards)	Stanney Lane, Ellesmere Port Welfare Centre—Alt. Tues., p.m. Ante-Natal Clinic—Mon., a.m. Young Children's Clinic— 4th Thurs., p.m.
These Health Visitors attend this clinic on rota.		Stanney Lane, Ellesmere Port Welfare Centre—Tues. and Fri., p.m. Ante-Natal Clinic— Mon., a.m.; Wed., p.m. M.A. Clinic—Thurs., a.m. Immunisation Clinic—2nd Thurs., p.m. Cytology Clinic—Tues., a.m. B.C.G. Clinic—2nd Mon., a.m. E.N.T. Clinic—1st and 3rd Mon., a.m. Eye Clinic—Fri., p.m.
These Health Visitors attend the clinics opposite on rota.		Stanney Lane, Ellesmere Port Immunisation Clinic—2nd Thurs., p.m. Stanney Lane, Ellesmere Port Screening Clinic—Tues., a.m. Ante-Natal Pre-Booking Clinic— Tues., p.m.
6. ss. D. Dromgoole, Dyesterys, 6, Norley Drive, Wickers Cross, Chester Tel. Chester 41406)	Aldford Buerton Chester Castle Churton Heath Claverton Dodleston Cotton Abbotts Eaton Eccleston Golborn Golborne Hargrave Huxley	Handley Hatton Huntington Lr. Kinnerton Lea Newbold Marlston Newton-by- Tattenhall Poulton Pulford Rowton Saughton Tattenhall Waverton
		Barbour Institute, Tattenhall Welfare Centre—1st and 3rd Mon., p.m. Village Hall, Huntington Welfare Centre—2nd and 4th Wed., p.m. Presbyterian Church, Egg Bridge Lane Waverton Welfare Centre—2nd and 4th Tues., p.m.

CIVIL PARISHES

CENTRES & CLINICS

28.

Mrs. A. Clayton, 76, Tattenhall Road, Tattenhall, Nr. Chester (Tel. Tattenhall 507)	Barrow Bridge Trafford Gt. Boughton (North Ward) Guilden Sutton Horton- cum-Peel	Mickle Trafford Wimbolds Trafford	Village Hall, Barrow Welfare Centre—1st and 3rd Wed., Congregational Church, Green Lane, Vicars, Cross Welfare Centre— 1st, 2nd, 3rd & 5th Tues., Screening Clinic—1st Tues., a.m. Immunisation Clinic— 1st Tues., Young Children's Clinic— 4th Tues., Congregational Church Hall, Gt. Boughton Screening Clinic—2nd Thurs., p.m.
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29.

Miss M. G. E. Crawford, 6, Newton Pk. View, Newton, Chester (Tel. Chester 24420)	Bache Lea-by- Backford Mollington	Moston Saughall Shotwick Park Upton (pt.)	Weston Grove, Upton (Tel. Chester 242) Welfare Centre—Thurs., p.m. Eye Clinic—1st Tues., p.m. Screening Clinic— 1st & 3rd Wed., Young Children's Clinic— 4th Tues., Immunisation Clinic— 4th Thurs., Preparation Class—Fri., p.m. Vernon Institute, Saughall Welfare Centre—1st and 3rd Mon.,
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30.

Mrs. D. Edwards, Rock Cottage, Stretton, Nr. Malpas	Backford Caughall Chorlton-by- Backford Croughton Elton Hoole Village	Little Stanney Picton Stoke Thornton-le- Moors Upton (pt.) Wervin	Weston Grove, Upton Welfare Centre—Thurs., p.m. Screening Clinic— 1st & 3rd Wed., Preparation Class—Fri., p.m. (on a Immunisation Clinic—4th Thur Village Hall, Elton Welfare Centre—1st & 3rd Mon.,
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30a.

Mrs. R. Davies, 14, Alpraham Crescent, Upton-by-Chester	Ashton Dunham Hill Foulk Stapleford Hapsford	Hockenhull Mouldsworth Puddington Shotwick Tarvin	Parish Room, The Vicarage, Tarvin Welfare Centre— 2nd and 4th Wed. m Screening Clinic— 1st Fri., p.m. (even m Parish Room, West End, As Welfare Centre— 1st and 3rd Wed. m Weston Grove, Upton Preparation Class—Fri., p.m. (on a
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CIVIL PARISHES

CENTRES & CLINICS

C. M. Hall,
Ringway,
averton, Chester

Beeston
Bruen
Stapleford
Burton-by-
Tarvin
Clotton
Hoofield
Delamere
Duddon
Idдинshall

Kelsall
Pryor's Heys
Rushton
Tarporley
Tilstone
Fearnall
Utkinton
Tiverton
Willington

Community Centre, Tarporley
Welfare Centre—2nd and 4th
Thurs., p.m.
Screening Clinic—2nd Thurs., a.m.
(odd months)
Eye Clinic—3rd Fri., p.m.
Young Children's Clinic—4th
Thurs., a.m.
Parish Hall, Kelsall
Welfare Centre—1st and 3rd
Tues., p.m.
Jubilee Hall, Malpas
Screening Clinic—3rd Thurs., p.m.

W. Jones,
ne Willows,
High Park,
warden
r. Chester
el. Hawarden 3311)

Agden
Aldersey
Barton
Bickerton
Bickley
Bradley
Broxton
Burwardsley
Caldecott
Carden
Chidlow
Chorlton
Chowley
Ch'ch Sho'lach
Ch'ton-by-A'fd
Churton-by-
Farndon
Clutton
Coddington
Crewe
Cuddington
Duckington
Edge
Edgerley

Egerton
Farndon
Grafton
Hampton
Harthill
Horton
King's Marsh
Larkton
Macefen
Malpas
Newton-by-
Malpas
Oldcastle
Overton
Sho'lach Oviatt
Stockton
Stretton
Threapwood
Tilston
Tushingham-
cum-Grindley
Wigland
Wychough

Jubilee Hall, Malpas
Welfare Centre—1st, 3rd and 5th
Mon., p.m.
Screening Clinic—3rd Thurs., p.m.
Memorial Hall, Farndon
Welfare Centre—1st and 3rd
Tues., p.m.
Community Centre, Tarporley
Screening Clinic—2nd Thurs., a.m.
(odd months)
The Vicarage, Tarvin
Screening Clinic—1st Fri., p.m.
(even months)

G. R. Newton,
Neston Drive,
oton, Chester
el. Chester 28521)

Cotton Edmunds
Christleton
Gt. Boughton (South Ward)
Littleton

Women's Institute, Christleton
Welfare Centre—1st and 3rd
Thurs., p.m.
Congregational Church Hall,
Great Boughton
Welfare Centre—2nd and 4th
Tues., p.m.
Screening Clinic—2nd Thurs., p.m.
Weston Grove, Upton
Preparation Class—Fri., p.m.
(on rota)
Congregational Church Room,
Green Lane, Vicars Cross
Welfare Centre—1st, 3rd and 5th
Tues., p.m.
Screening Clinic—1st Tues., a.m.

CIVIL PARISHES

CENTRES & CLINICS

34.

Mrs. D. E. Govan,
23, Waylands Drive,
Liverpool 25

Runcorn U.D.
(Halton and Grange Wards)

Memorial Hospital, Runcorn
Paediatric Clinic—Wed., p.m.
Thorn Road, Grange Estate,
Runcorn (Tel. Runcorn 4)
Screening Clinic—2nd Mon., p.m.
Welfare Clinic—Thurs., p.m.
Young Children's Clinic—
3rd Fri.

35.

Miss C. V. Kilcullen,
111, Sycamore Road,
Runcorn

Runcorn U.D.
(Heath and Victoria Wards)

34, Halton Road, Runcorn
Welfare Centre—Wed., p.m.
Thorn Road, Grange Estate,
Runcorn
Preparation Class—Fri., p.m.

36.

Miss E. O'Connor,
353, Upton Lane,
Widnes

Runcorn U.D.
(Bridgewater & Mersey
Wards)

34, Halton Road, Runcorn
Welfare Centre—Wed., a.m.
Ante-Natal Clinic—Thurs., a.m.
Screening Clinic—4th Tues., p.m.
28, Halton Road, Runcorn
(Tel. Runcorn 2)
Eye Clinic—Tues., p.m.

37.

Miss A. Davies,
3, Cornwall Avenue,
Runcorn

Runcorn U.D.
(Weston Ward)

34, Halton Road, Runcorn
Young Children's Clinic—
2nd Fri.
Screening Clinic—Tues., p.m.
Ante-Natal Clinic—Thurs., a.m.
Russell Hall, Weston Point
Welfare Centre—1st and 3rd
Mon.

37a.

Miss M. R. Sandford,
49, Grasmere Road,
Frodsham

Mrs. P. Mason,
Clinic Nurse

34, Halton Road, Runcorn
Welfare Centre—
Wed. a.m. and
Ante-Natal Clinic—Thurs., a.m.
Russell Hall, Weston Point
Welfare Centre—1st and 3rd
Mon.
Thorn Road, Grange Estate
Runcorn
Welfare Centre—Thurs., p.m.

38.

Miss S. E. Robinson,
23, Weston Crescent,
Runcorn
(Tel. Runcorn 4239)

Daresbury
Dutton
Gt. Budworth
Halton
Hatton

Moore
Norton
Preston Brook
Whitley

65, Whitefield Road, Stock
Heath
Screening Clinic—as required

CIVIL PARISHES

CENTRES & CLINICS

s J. Harper,*
outh Woodlands,
Welsh Road,
edsham,
Warrington

Frodsham

The Rock, Frodsham
(Tel. Frodsham 2388)
Welfare Centre—2nd and 4th
Tues., p.m.
Screening Clinic—1st and 3rd
Fri., p.m.

rs. V. E. Fletcher,*
8, Church Street,
rodsham,
Warrington

Alvanley
HelsbyManley
Sutton

The Rock, Frodsham
Screening Clinic—1st and 3rd
Fri., p.m.
Handicapped Persons' Club—
1st and 3rd Thurs, p.m.
Cable Works, Helsby
Welfare Centre—1st and 3rd
Tues., p.m.

s D. R. Heelis,*
5, Bellemonte Road,
rodsham,
Warrington

Aston
Kingsley

Norley

Hurst Methodist Church,
Kingsley
Welfare Centre—2nd Wed., p.m.

These Health Visitors attend
these clinics on rota.

The Rock, Frodsham
Young Children's Clinic—
1st and 3rd Wed., a.m.
Preparation Class—Wed., p.m.
Eye Clinic—2nd and 4th Wed., a.m.
Handicapped Persons' Club—
1st and 3rd Thurs., p.m.
Ante-Natal Clinic—Thurs., a.m.

s M. Lea,
8, Oughtrington Lane,
ymm

Grappenhall
(North and Thelwall Wards)

Springfield Avenue,
Grappenhall
(Tel. Warrington 61488)
Ante-Natal Clinic—Wed., p.m.
Cervical Cytology Clinic—
3rd Tues. evening
Immunisation Clinic—1st Fri., p.m.
Welfare Centre—Thurs., p.m.
Preparation Class—Alt. Wed., p.m.
Young Children's Clinic—
4th Fri., a.m.
Screening Clinic—2nd and 4th
Fri., p.m.
Eye Clinic—3rd Wed., a.m.
65, Whitefield Road, Stockton
Heath
Handicapped Person's Club—
2nd and 4th Tues., p.m. (on rota)

s. M. G. McManamin, Antrobus
14, Chester Road,
Warrington

Appleton

Grappenhall
(South Ward)
Stretton

65, Whitefield Road, Stockton
Heath (Tel. Warrington 62025)
Screening Clinic—as required
Welfare Centre—Mon., p.m.
Young Children's Clinic—
1st Fri., a.m. (on rota)
Preparation Class—Alt. Fri., p.m.
Springfield Avenue,
Grappenhall
Welfare Centre—Thurs., p.m.
Screening Clinic—2nd and 4th
Fri., p.m.
Preparation Class—Alt. Wed., p.m.
Eye Clinic—1st Thurs., a.m. (Alt.)

CIVIL PARISHES

CENTRES & CLINICS

43.

Miss M. Newbold,
62, Fairfield Gardens,
Stockton Heath,
Warrington

Stockton Heath
Walton

65, Whitefield Road, Stockton
Heath

Welfare Centre—Mon., p.m.
Young Children's Clinic—
1st Fri.,
Screening Clinic—As required
Eye Clinic—4th Tues., p.m.
Preparation Class—Fri., p.m.
Handicapped Person's Club—
1st, 2nd and 4th Tues., p.m. (on

44.

Miss K. Gosney,
1, The Green,
Hartford,
Northwich

Acton
Anderton
Barnton
Comberbach
Crowton

Little Leigh
Marbury

Brunner School, Barnton
(Tel. Northwich 56)
Welfare Centre—2nd, 3rd and 4th
Wed.,
Eye Clinic—1st Thurs., a.m.
Screening Clinic—2nd, 3rd and 4th
Wed.,

Parish Hall, Comberbach
Welfare Centre—1st Wed., p.m.

45.

Mrs. B. Vintner,
Cartref,
West Road,
Weaverham,
Nr. Northwich

Weaverham

23, Church Lane, Weaverham

Welfare Centre—Tues., p.m.
Young Children's Clinic—
3rd Mon.,
Preparation Class—Thurs., p.m.
M.A. Clinic—Fri., a.m.
Screening Clinic—2nd and 4th
Fri.,
Eye Clinic—3rd Fri., p.m.

46.

Mrs. E. E. Conlin,
38, King Street,
Knutsford

Northwich U.D.
(Castle and Winnington
Wards)

Darland House, 44, Winnington
Street, Northwich

(Tel. N'wich 43)
Welfare Centre—Tues., p.m.
Paediatric Clinic—4th Mon., p.m.
Screening Clinic—1st Fri., a.m.
Young Children's Clinic—
3rd Wed. m

Mrs. E. A. James,
Clinic Nurse

47.

Mrs. A. Harrison,
29, Jubilee House,
Runcorn

Northwich U.D.
(Witton and Northwich
BA. Wards)

Parkfield, Middlewich Road
Northwich (Tel. N'wich 26)

Welfare Centre—Thurs., p.m.
Preparation Class—Mon., p.m.
Screening Clinic—1st and 3rd
Wed. m
Eye Clinic—
2nd and 4th Thurs. m
1st, 2nd and 4th Fri. m
Cervical Cytology Clinic—
Mon. and Fri. m

CIVIL PARISHES

CENTRES & CLINICS

3. rs. I. Harris, 15, Eastgate Road, Holmes Chapel, Cheshire	Allostock Lach Dennis Lostock Gramam Marston Rudheath Whitcroft Wincham	Parkfield, Middlewich Road, Northwich Welfare Centre—Thurs., p.m. E.N.T. Clinic—2nd Tues., p.m. Young Children's Clinic— 1st Tues., p.m. Screening Clinic—1st and 3rd Wed., a.m. Cervical Cytology Clinic— Mon. and Fri., p.m.
rs. J. Betts, Clinic Nurse (Parkfield)		Alkali Social Club, Lostock Gramam Welfare Centre—2nd and 4th Wed., p.m.
rs. M. Robertshaw, Marbri Cottage, Burgess Lane, Norley	Cuddington Hartford	Methodist Chapel, Hartford Welfare Centre—2nd and 4th Tues., p.m. Church Hall, Sandiway Welfare Centre—1st and 3rd Tues., p.m. 23, Church Lane, Weaverham Screening Clinic—2nd and last Fri., p.m. Darland House, Northwich Screening Clinic—1st Fri., a.m.
rs. M. Brown, Seatoller, Northwich Road, Weaverham, Northwich Tel. Weaverham 2357)	Winsford U.D. (Vale Royal & Wharton Wards) Darnhall Marton Little Oakmere Budworth	Crook Lane, Wharton, Winsford (Tel. Winsford 3213) Welfare Centre—Tues., p.m. Eye Clinic— 2nd and 4th Thurs., p.m., 3rd Thurs., a.m. Screening Clinic—4th Thurs., p.m. St. John's Vicarage, Over Welfare Centre—Mon., p.m. Immunisation Clinic—2nd and 4th Wed., a.m. Young Children's Clinics— 1st Thurs., a.m.
rs. J. M. Gassick, 71, Chester Road, Hartford, Northwich Tel. Sandiway 2040)	Winsford U.D. (Gravel, Over & Swanlow Wards)	98, Weaver Street, Winsford Welfare Centre—Fri., p.m. Preparation Class—Wed., p.m. Screening Clinic—2nd Thurs., a.m. Young Children's Clinic— 1st Thurs., p.m.
rs. J. Moger, 2, Riverside Crescent, Holmes Chapel, Crewe	Winsford U.D. (Gravel & Wharton Wards) Moulton	Church Hall, Moulton Welfare Centre—1st and 3rd Wed., p.m. Crook Lane, Wharton, Winsford Welfare Centre—Tues., p.m. Screening Clinic—4th Thurs., p.m. Young Children's Clinic— 2nd Thurs., a.m.

CIVIL PARISHES

CENTRES & CLINICS

Mrs. P. Langton,
Clinic Nurse

98, Weaver Street, Winsford
Welfare Centre—Fri., p.m.
E.N.T. Clinic—3rd and 5th
Tues., p.
Young Children's Clinic—
1st Thurs., p.
St. John's Vicarage, Over
Welfare Centre—Mon., p.m.
Immunisation Clinic—2nd and 4th
Wed., a.
Young Children's Clinic—
1st Thurs., a.
Crook Lane, Wharton, Winsford
Welfare Centre—Tues., p.m.
Eye Clinic—
1st and 3rd Thurs., a.
2nd and 4th Thurs., p.
Young Children's Clinic—
2nd Thurs., a.

52.

Miss P. M. Toomey,
85, Parkgate,
Knutsford

Northwich U.D.
(Northwich BB Ward)
Bostock Stanthorne
Davenham Tetton
Wimboldsley

85, Wheelock Street,
Middlewich
(Tel. Middlewich 21)
Screening Clinic—4th and 5th
Thurs., p.
Methodist Hall, Davenham
Welfare Centre—1st and 3rd
Thurs., p.
Farm of the Good Shepherd,
Leftwich
Welfare Centre—2nd and 4th
Tues., p.

53.

Miss M. Barlow,
Ingleton,
4, Plant Lane,
Elton, Sandbach
(Tel. Sandbach 2155)

Middlewich U.D.
Sproston (Pt.)
Byley

85, Wheelock Street,
Middlewich
Welfare Centre—Mon., p.m.
Young Children's Clinic—
2nd Thurs., p.
Eye Clinic—3rd Tues., p.m.
Screening Clinic—1st, 3rd, 4th
and 5th Thurs., p.

53a.

Miss M. Harris,
Linthorpe,
9, Bromley Drive,
Holmes Chapel
(Tel. Holmes Chapel 3275)

Church Hulme Sproston
Cranage Swettenham
Goostrey Twemlow
Somerford Withington
Somerford
Booths

Mothers' Union Hut, Holmes
Chapel
Welfare Centre—Tues., p.m.
Social Club, Goostrey
Welfare Centre—
2nd and 4th Mon., p.

54.

Miss H. M. Dawson,
Bollin Grove,
Prestbury,
Macclesfield

Knutsford U.D. (Over and
Nether Wards)
Ollerton
Peover Superior
Toft

County Offices, Bexton Road
Knutsford (Tel. Knutsford 3)
Welfare Centre—Wed., p.m.
Young Children's Clinic—
4th Thurs., p.
Screening Clinic—2nd and 4th
Fri., p.
Eye Clinic—1st Thurs., p.m. and
4th Tues., p.
Parish Room, Over Peover
Welfare Centre—1st and 3rd
Mon., p.

CIVIL PARISHES

CENTRES & CLINICS

55. Mrs. M. F. McGrath, 2, Reading Drive, Sale (Tel. Sale 2445)	Knutsford U.D. (West Ward) Aston-by-Peover Inferior Budworth Pickmere Bexton Plumley Mere Tabley Inferior Nether Peover Tabley Superior	County Offices, Bexton Road, Knutsford Welfare Centre—Wed., p.m. Young Children's Clinic— 2nd Thurs., p.m. Village Hall, Plumley Welfare Centre—1st and 3rd Thurs., p.m.
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56. Miss E. M. Scott, 54, Highfield Drive, Nantwich	Nantwich U.D. (Barony & Wellington Wards) Alraham Leighton Aston-juxta-Minshull Vern. Mondrum Poole Calveley Wardle Cholmondeston Wettenhall Church Woolstanwood Minshull Worleston Henhull	The Dowery, Barker Street, Nantwich (Tel. Nantwich 65360) Welfare Centre—Thurs., p.m. Preparation Class—Mon., p.m. Screening Clinic—1st Fri., p.m.
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57. Mrs. L. Crawford, 11, Stanhope Avenue, Crewe	Nantwich U.D. (Weaver Ward) Acton Edleston Baddiley Faddiley Baddington Haughton Brindley Hurleston Broomhall Peckforton Bulkeley Ridley Bunbury Sound Burland Spurstow Cholmondeley Stoke Chorley Woodcott	The Dowery, Barker Street, Nantwich Welfare Centre—2nd and 4th Thurs., p.m. Young Children's Clinic— 1st Thurs., a.m. Screening Clinic—2nd Fri., p.m. Oddfellows Hall, Bunbury Welfare Centre—1st and 3rd Fri., p.m. Screening Clinic—1st Wed., p.m. (odd months)
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58. Miss D. Griffiths, 78, Cheshire Street, Audlem, Crewe (Tel. Audlem 443)	Audlem Austerston Batherton Blakenhall Bridgemere Buerton Checkley-cum-Wrinehill Chorlton Coole Pilate Dodcott-cum-Wilkesley Doddington	Hankelow Hatherton Hough Hunston Lea Marbury Newhall Norbury Stapeley Walgherton Wirswall Wrenbury Wybunbury	The Dowery, Barker Street, Nantwich Screening Clinic—1st Fri., p.m. Eye Clinic—2nd, 3rd, 4th and 5th Thurs., a.m. Parish Hall, Wrenbury Welfare Centre—2nd and 4th Wed., p.m. Methodist Church Hall, Audlem Welfare Centre—1st and 3rd Tues., p.m.
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59. Mrs. R. Davies, 84, Church Lane, Wistaston, Crewe	Willaston Wistaston	The Dowery, Barker Street, Nantwich Welfare Centre—1st and 3rd Thurs., p.m. Memorial Hall, Church Lane, Wistaston Welfare Centre—2nd, 3rd and 4th Wed., p.m. Screening Clinic—3rd Fri., p.m.
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CIVIL PARISHES

CENTRES & CLINICS

60.

Mrs. M. M. Barwick,
The Cottage,
Blakelow,
Newcastle Road,
Nantwich

Nantwich U.D. (Willaston
Ward)
Barthomley Shavington-
Crewe (Rural) cum-Gresty
Basford Warmingham
Haslington Weston
Rope

The Dowery, Barker Street,
Nantwich
Welfare Centre—5th Thurs., p.m.
Screening Clinic—2nd Fri., p.m.
Yoxall Institute, Haslington
Welfare Centre—1st and 3rd
Tues., p.
Church Hall, Shavington
Welfare Centre—2nd and 4th
Tues., p.

61.

Miss A. Mullany,
54, Highfield Drive,
Nantwich

Crewe M.B.
(South District)

Stalbridge Road, Crewe
(Tel. Crewe 24)
Welfare Centre—Mon., p.m. and
Wed., a.
M.A. Clinic—Tues., a.m.
Screening Clinic—1st, 3rd and 5th
Wed., p.
Eye Clinic—2nd Tues., a.m. and
p.m., 5th Tues., p.
Young Children's Clinic—
4th Wed., p.
Preparation Class—Thurs., p.m.

62.

Crewe M.B.
(Central District)

Bramhall Road, Crewe
Welfare Centre—2nd and 4th
Tues., p.
Stalbridge Road, Crewe
Welfare Centre—1st, 3rd and 5th
Mon., p.m.; Wed., p.
Young Children's Clinic—
4th Wed., p.
Screening Clinic—1st, 3rd and 5th
Wed., p.
Eye Clinic—2nd Tues., a.m. and
p.m., 5th Tues., p.
Preparation Class—Thurs., p.m.
Paediatric Clinic—1st Fri., p.m.

63.

Miss M. E. Slack,
16, Kempton Avenue,
Crewe

Crewe M.B.
(S.W. District)

Bramhall Road, Crewe
Welfare Centre—2nd and 4th,
Tues., p.
Stalbridge Road, Crewe
Welfare Centre—2nd and 4th
Mon., p.
Preparation Class—Thurs., p.m.
Screening Clinic—1st, 3rd and 5th
Wed., p.
Minshull New Road, Crewe
Welfare Centre—1st, 3rd and 5th
Tues., p.

CIVIL PARISHES

CENTRES & CLINICS

J. M. D. Atkinson,† Crewe M.B.
 Crewe Road, (East District)
 Wington,
 we
 Ludford Street, Crewe
 (Tel. Crewe 2376)
 Screening Clinic—2nd Wed., p.m.
 Welfare Centre—Thurs., p.m.

E. Broom,*† Crewe M.B.
 Clifton Avenue, (Part North & Central
 we District)
 Ludford Street, Crewe
 Screening Clinic—4th Wed., p.m.

J. S. Reid,*† Crewe M.B.
 Moat House Drive, (West & Coppenhall District)
 we
 Ludford Street, Crewe
 Screening Clinic—2nd and 4th
 Wed., p.m.
 Minshull New Road, Crewe
 Welfare Centre—1st, 3rd and 5th
 Tues., p.m.

E. M. Davies,† Crewe M.B.
 Ruskin Road, (Part North District)
 we
 Ludford Street, Crewe
 Welfare Centre—Thurs., a.m.

e Health Visitors also
 on rota the clinics listed
 opposite.
 e Health Visitors also
 on rota the clinic listed
 opposite.
 Ludford Street, Crewe
 Welfare Centre—Thurs., a.m.
 and p.m.
 Ante-Natal Clinic—Mon. and
 Tues., p.m.
 Young Children's Clinic—
 4th Fri., p.m.

. Hall,
 ic Nurse
 Ludford Street, Crewe
 E.N.T. Clinic—1st Fri., p.m.
 Eye Clinic—3rd and 5th Tues.,
 a.m., 3rd Wed., a.m.
 Paediatric Clinic—3rd Fri., p.m.
 Stalbridge Road, Crewe
 Eye Clinic—
 2nd Tues. a.m. and p.m.,
 5th Tues., p.m.
 M.A. Clinic—Thurs., a.m.

H. M. Furness, Alsager U.D. (S. & E. Wards)
 Larpur Crescent, Betchton
 ager, Hassall
 ke-on-Trent
 Sandbach Road S., Alsager
 (Tel. Alsager 3215)
 Welfare Centre—Tues., p.m. and
 Tues., a.m. (Alt.)
 M.A. Clinic—1st Fri., a.m.
 Screening Clinic—2nd and 4th
 Fri., p.m.
 Preparation Class—Thurs., p.m.
 Young Children's Clinic—
 3rd Wed., p.m. (Alt. months)
 Immunisation Clinic—2nd Wed.,
 a.m. (Alt. months)
 Cytology Clinic—Mon., p.m.

CIVIL PARISHES

CENTRES & CLINIC

69.

Mrs. B. M. Doorbar,
5, Nelson Grove,
Alsager,
Stoke-on-Trent
(Tel. Alsager 3454)

Alsager U.D.
(N. & W. Wards)

Sandbach Road, S., Alsager
Welfare Centre—Tues., p.m.;
Tues., a.m.
Preparation Class—Thurs., p.m.
Eye Clinic—4th Tues., a.m.
Screening Clinic—2nd and 4th
Fri.
Young Children's Clinic—3rd
Wed., p.m. (Alt. m)
Immunisation Clinic—2nd We
a.m. (Alt. m)
Cytology Clinic—Mon., p.m.

70.

Miss B. Richardson,
The White House,
132, Crewe Road,
Alsager,
Stoke-on-Trent
(Tel. Alsager 395)

Smallwood
Odd Rode
Church Lawton

Methodist Sunday School,
Mow Cop
Welfare Centre—1st and 3rd
Wed.
The Institute, Rode Heath
Welfare Centre—2nd and 4th
Mon.
Village Hall, Scholar Green
Welfare Centre—2nd and 4th
Wed.
Sandbach Road, S., Alsage
Preparation Class—Thurs., p.
E.N.T. Clinic—3rd Fri., p.m.

71.

Mrs. J. V. Sasson,
324, Moorside Road,
Flixton, Urmston,
Manchester

Lymm U.D. (part)
High Legh

29, Eagle Brow, Lymm
(Tel. Lymm
Welfare Centre—Tues., p.m.
Young Children's Clinic—
2nd and 4th We
Midwives' Clinic—Thurs., p.
Screening Clinic—2nd and 4th
Me
Eye Clinic—1st Thurs., a.m.;
3rd and 5th Thu
Cervical Cytology Clinic—
1st and 3rd Tu
Immunisation Clinic—
3rd Thu
Oughttrington Methodist
Church Hall, Sandy Lane.
Heatley
Welfare Centre—1st and 3rd
W

71a.

Mrs. V. I. Morello,
2, Southside,
Groby Road,
Altrincham

Lymm U.D.
(Heatley & part Lymm
Wards)

29, Eagle Brow, Lymm
Welfare Centre—Tues., p.m.
Young Children's Clinic—
4th W
Screening Clinic—2nd Mon.
Immunisation Clinic—3rd
Thu
Oughttrington Methodist (M
Hall, Sandy Lane, Heatle
Welfare Centre—1st and 3rd
W
Eye Clinic—1st Thurs., a.m.

CIVIL PARISHES

CENTRES & CLINICS

E. M. Searson,
Chestnut Drive,
Sale M.B.
(St. Martin's N.S. and
Mersey NP Wards)

Bodmin Road, Sale
(Tel. Sale 1127)
Immunisation Clinic—2nd and 4th
Tues., a.m.
Cytology Clinic—2nd and 4th
Thurs., p.m.
Screening Clinic—1st and 3rd
Thurs., a.m.
Welfare Centre—Wed., p.m.
Young Children's Clinic—
2nd Mon., p.m.

R. E. Shepherd,
Pasture Field Rd.,
Chenshawe,
Manchester, 22
Mercury 1386)
Sale M.B.

Bodmin Road, Sale
(Tel. Sale 1127)
Welfare Centre—Wed., p.m.
Cytology Clinic—
2nd and 4th Tues., a.m.
Young Children's Clinic—
2nd Mon., p.m.
Midwives' Clinic—1st Mon., p.m.
Immunisation Clinic—
2nd and 4th Tues., a.m.

D. Roberts,*†
St. Leonard's Drive,
Wincham
Sale M.B.
(Sale Moor Ward)

Clinic Centre, Conway Road,
Sale Moor (Tel. Pyramid 4132)
Welfare Centre—Thurs., p.m.

P. M. Scarborough,
Cheadle Road,
Cheadle Hulme
Sale M.B.
(St. Anne's NB and
St. John's Ward)

Conway Road, Sale
Young Children's Clinic—
1st Tues., p.m.
Ante and Post-Natal Clinic—
Wed., p.m.
Screening Clinic—Wed., a.m.
Welfare Centre—Thurs., p.m.
Immunisation Clinic—
1st and 3rd Tues., a.m.

L. J. Vine,
Worsley,
Victoria Road,
Worslow
Sale M.B.
(St. Mary's NN and Brook-
land ND & NE Wards)

Meadway, Sale
(Tel. Pyramid 2950)
Welfare Centre—Tues., p.m.
Young Children's Clinic—
3rd Mon., p.m.
Screening Clinic—1st and 3rd
Thurs., a.m.

J. Fell,*†
Green Lane,
Worsley
Sale M.B.
(St. Paul's St. Anne's
(NA & NC) & Mersey
(NQ & NR) Wards)

70, Chapel Road, Sale
Welfare Centre—Tues. and
Thurs., p.m.

M. T. Rue,
Worsdale, Gatley,
Worsdale, Cheshire
Sale M.B.
(St. Martin's NT & NU
and St. Mary's NO Wards)

Bodmin Road, Sale
Welfare Centre—Wed., p.m.
Screening Clinic—1st and 3rd
Thurs., a.m.
Cytology Clinic—2nd and 4th
Thurs., p.m.
Young Children's Clinic—
2nd Mon., p.m.
Immunisation Clinic—2nd and 4th
Tues., a.m.

CIVIL PARISHES

CENTRES & CLINICS

78.

Mrs. V. Wildig,
Carlsholme,
Egerton Road,
Monton,
Eccles, Lancs.
(Tel. Pyramid 2950)

Sale M.B.

*These Health Visitors also
attend on rota the clinic
opposite.

†These Health Visitors also
attend on rota the clinics
opposite.

Meadway, Sale

Welfare Centre—Tues., p.m.
Young Children's Clinic—
3rd Mon.
Screening Clinic—1st and 3rd
Thurs.

70, Chapel Road, Sale

Eye Clinic—1st, 3rd and 5th
Mon.

Screening Clinic—Tues., a.m.
Sun-ray Clinic—Mon. and Fri.
(Sept.—
Immunisation Clinic—Fri., a.m.
Cytology Clinic—Mon., p.m.
(exce

Mrs. G. Hall,
Clinic Nurse

Meadway, Sale

Eye Clinic—Mon., a.m.
(when rec
Immunisation Clinic—
2nd Tue

Chapel Road, Sale

Eye Clinic—Mon., a.m.
Cytology Clinic—Mon., p.m.
(exce

M.A. Clinic—Wed., a.m.
Immunisation Clinic—Fri., a.m.
Sun-ray Clinic—Mon. and
Fri., p.m. (Sept.—
Young Children's Clinic—
4th Mon

Bodmin Road, Sale

Eye Clinic—Mon., a.m.
(when re
Immunisation Clinic—2nd and
Tue

Mrs. L. A. Robinson,
Clinic Nurse

Chapel Road, Sale

Eye Clinic—Mon., a.m.
Cytology Clinic—Mon., p.m.
Immunisation Clinic—
1st and 3rd Tu

Conway Road, Sale

Welfare Centre—Thurs., p.m.
Geriatric Clinic—Wed., p.m.

79.

Miss J. Reddington,
8, Lindale Avenue,
Flixton, Urmston,
Lancs.

Hale U.D.
(North and Central Wards)
Ashley

9, Broomfield Lane, Hale

(Tel. Al
Welfare Centre—Wed., p.m.
Young Children's Clinic—
2nd W
Eye Clinic—2nd Fri., p.m.
Vaccination and Immunisation
Clinic—1st
Screening Clinic—2nd and 4
Cytology Clinic—Mon., p.m.

CIVIL PARISHES

CENTRES & CLINICS

E. G. Morrison,
Thorley Lane,
Merpsey,
Trincham

Hale U.D.
(Bollin and Well Green
Pt. A. Wards)
Ringway Rostherne
Tatton

Unitarian Schoolroom, Hale
Barns
Welfare Centre—
Mon., p.m., Tues., a.m.
Screening Clinic—2nd and 4th
Thurs., a.m.
9, Broomfield Lane, Hale
Young Children's Clinic—
1st Wed., a.m.
Screening Clinic—2nd Fri., a.m.
Wythenshawe Hospital
Paediatric Clinic—Thurs., p.m.

D. W. Kelly,
Albemarle Road,
Morton-cum-Hardy,
Manchester, 21

Hale U.D.
(Well Green Ward Pt. B)
Bowdon U.D.

9, Broomfield Lane, Hale
Welfare Centre—Wed., p.m.
Young Children's Clinic—
1st Wed., a.m.
Screening Clinic—4th Fri., a.m.
Unitarian Schoolroom, Hale
Barns
Welfare Centre—
Mon., p.m., Tues., a.m.
Screening Clinic—2nd and 4th
Thurs., a.m.
Methodist Schoolroom, Bowdon
Welfare Centre—2nd and 4th
Thurs., p.m.

J. M. Rose,
Clinic Nurse

P. H. Gibson,
Reddish Lane,
Rush Green Road,
M

Partington (part)

Central Road, Partington
(Tel. Irlam 2409)
Welfare Centre—Mon. and
Thurs., p.m.
Ante-Natal Clinic—Fri., p.m.
Screening Clinic—4th Tues., a.m.;
4th Thurs., a.m.
Young Children's Clinic—
3rd Wed., p.m.
Preparation Class—Tues., p.m.
Immunisation Clinic—1st and 3rd
Tues., a.m.

M. Mulvihill,
Lyndhurst Road,
Retford,
Manchester

Agden
Bollington
Carrington
Partington (part)
Dunham
Massey
Millington
Warburton

Central Road, Partington
Welfare Centre—Mon. and
Thurs., p.m.
Preparation Class—Tues., p.m.
Screening Clinic—4th Tues., a.m.,
and 4th Thurs., a.m.
Ante-Natal Clinic—Fri., p.m.
Young Children's Clinic—
3rd Wed., a.m.
Eye Clinic—1st and 2nd Wed., a.m.
Immunisation Clinic—1st and 3rd
Tues., a.m.

CIVIL PARISHES

CENTRES & CLINIC

83a.

Partington (part)

Central Road, Partington
 Welfare Centre—Mon. and Thurs.
 Ante-Natal Clinic—Fri., p.m.
 Screening Clinic—4th Tues. a.m. and 4th Thurs.
 Young Children's Clinic—4th Wed.
 Preparation Class—Thurs., p.m.
 Immunisation Clinic—1st and 3rd Tues.

Mrs. M. R. Guy,
 Clinic Nurse

Central Road, Partington
 Immunisation Clinic—1st and 3rd Tues.
 Eye Clinic—1st and 2nd Wed.,
 Welfare Centre—Thurs., p.m.

84.

Mrs. F. Pickering,†
 16, Denstone Ave.,
 Davyhulme, Urmston;
 Manchester
 (Tel. Urmston 7246)

Altrincham M.B.
 (Dunham (AD, AE, AF)
 North (AH))

12, The Mount, Altrincham
 (Tel. Alt. 2)
 Welfare Centre—Mon. and Wed.
 Screening Clinic—1st and 3rd Tues.

85.

Mrs. K. M. Connor,†
 6, The Mount,
 Altrincham

Altrincham M.B.
 (East Central (AA, AB))

12, The Mount, Altrincham
 Welfare Centre—Mon. and Wed.
 Screening Clinic—1st and 3rd Tues.

86.

Mrs. F. M. Whitworth,
 5, Mayfield Close,
 Timperley,
 Altrincham

Altrincham M.B.
 (Timperley No. 4, (AU,
 AV, AT and AW))

145, Park Road, Timperley
 (Tel. Sale 38)
 Welfare Centre—Thurs., p.m.
 Ante-Natal Clinic—2nd and 4th Wed.
 Preparation Class—2nd and 4th Wed.
 Young Children's Clinic—Tue.
 65, Briarfield Road, Broom
 Timperley (Tel. Ringway 13)
 Welfare Centre—Mon., p.m.

87.

Mrs. M. T. H. Twigg,
 23, Amherst Road,
 Withington,
 Manchester, 20
 (Tel. Rusholme 9423)

Altrincham M.B.
 (Timperley No. 2 (AN,
 AO) and No. 4 (AS))

145, Park Road, Timperley
 Welfare Centre—Tues., p.m.
 Young Children's Clinic—Tue.
 Ante-Natal Clinic—2nd and 4th Wed.
 Young Children's Clinic—1st and 3rd Thu.
 Preparation Class—2nd and 4th Wed.
 Screening Clinic—4th Thurs. m.

CIVIL PARISHES

CENTRES & CLINICS

M. Owen,
Roughley Gardens,
Downley Green,
Wythenshawe,
Manchester, 22

Altrincham M.B.
(Timperley No. 1 (AL)
and No. 3 (AP, AQ, AR))

145, Park Road, Timperley
Welfare Centre—
Tues. and Thurs., p.m.
Young Children's Clinic—
Tues., a.m.
Ante-Natal Clinic—2nd and 4th
Wed., p.m.
Preparation Class—2nd and 4th
Wed., p.m.
Screening Clinic—2nd and 4th
Thurs., a.m.

Altrincham M.B.
(Timperley No. 1 (AM)
East Central (AC)
North (AG))

12, The Mount, Altrincham
Welfare Centre—Mon. and
Wed., p.m.
Screening Clinic—
1st and 3rd Tues., a.m.

145, Park Road, Timperley
Screening Clinic—4th Thurs., a.m.

These Health Visitors attend
the clinics opposite on rota

12, The Mount, Altrincham
Young Children's Clinic—
2nd and 4th Mon., a.m.,
2nd Thurs., p.m.

145, Park Road, Timperley
Young Children's Clinic—
2nd Wed., a.m.

B. J. Clitheroe,
Nurse

145, Park Road, Timperley
Welfare Centre—Tues. and
Thurs., p.m.

M. M. Humphries,
Crescent Close,
Venport, Stockport
Tel. STE 2387)

Alderley Edge U.D.
Wilmslow U.D. Chorley
(Hough Wd.) Great
Warford
Marshall
Mobberley

Chapel Lane, Wilmslow
(Tel. Wilmslow 26444)
Welfare Centre—Wed., p.m.
Screening Clinic—
1st and 3rd Fri., a.m.
Church Institute, Alderley
Edge
Welfare Centre—Fri., p.m.
Victory Hall, Mobberley
Welfare Centre—
1st and 3rd Tues., p.m.

D. M. Bowers,
Albany Road,
Wilmslow,
Cheshire

Wilmslow U.D.
(Morley & Fulshaw Wards)

Chapel Lane, Wilmslow
Welfare Centre—Wed., p.m.
Young Children's Clinic—
1st Mon., a.m.
Screening Clinic—Alt. Fri., a.m.
Preparation Class—Mon., p.m.

K. Halstead,
Park Road,
Handforth, Cheshire

Wilmslow U.D.
(Handforth Ward)

The Green, Wilmslow Road,
Handforth
(Tel. Wilmslow 5767)
Welfare Centre—Mon., p.m.
Young Children's Clinic—
1st Fri., a.m.
Preparation Class—Tues., p.m.
Screening Clinic—2nd and 3rd
Thurs., a.m.
Eye Clinic—1st Wed., a.m.
School Clinic—1st and 3rd
Mon., a.m.

CIVIL PARISHES

CENTRES & CLINICS

93.

Miss K. L. Marsden,
6, Burford Close,
Wilmslow

Wilmslow U.D.
(Dean Row & Styal Wards)

The Green, Wilmslow Road,
Handforth
Screening Clinic—2nd and 3rd
Thurs.

Parish Hall, Barlow Road,
Lacey Green
Welfare Centre—1st and 3rd
Mon., 1
Young Children's Clinic—
3rd Fri.,

Mrs. E. A. Davies,
Clinic Nurse

Chapel Lane, Wilmslow
Eye Clinic—1st and 3rd Tues., a.
M.A. Clinic—3rd Mon., a.m.
The Green, Wilmslow Road,
Handforth
Welfare Centre—Mon., p.m.
Eye Clinic—1st Wed., a.m.

94.

Miss C. Crosbie,
28, Windsor Close,
Bollington,
Macclesfield

Bollington U.D.

Wellington Road, Bollington
(Tel. Boll. 2)
Welfare Centre—Thurs., p.m.
M.A. Clinic—1st Tues., a.m.
Screening Clinic—Tues., a.m.
(except
Eye Clinic—2nd Tues., p.m.
Immunisation Clinic—
1st Wed.,

95.

Miss P. R. Howarth,
Field Croft,
177, Chester Road,
Poynton, Cheshire

Chelford
Henbury
Hulme
Walfield
Marton
Mottram-St-
Andrew

Nether Alderley Wellington Road, Bollington
Over Alderley Welfare Centre—2nd and 4th
Prestbury Thurs.,
Siddington
Snelson Ford House, Prestbury
Welfare Centre—Wed., a.m.

96.

Miss C. M. Nixon,
122, Great King St.,
Macclesfield
(Tel. Macclesfield 6419)

Bosley
Eaton
Gawsworth
Hurdsfield
Macclesfield
Forest
North Rode

Rainow
Sutton
Wildboarclough
Wincle

Ex-Servicemen's Club, Sutton
Lane Ends, Sutton
Welfare Centre—2nd and 4th
Wed.,
Wellington Road, Bollington
Screening Clinic—Tues., a.m.
(except
Welfare Centre—
1st and 3rd Thurs.

97.

Miss F. E. Kilbourn,
Edendale,
Buxton Road,
Newtown,
New Mills,
Stockport

Addington
Kettleshulme
Lyme
Handley

Pott Shrigley
Poynton
(East and
Central (A)
Wards)

Park Lane, Poynton
(Tel. Poynton
Welfare Centre—Thurs., p.m.
Young Children's Clinic—
4th Tues.
Midwives' Clinic—Alt. Mon.,
Screening Clinic—3rd Tues., a.
E.N.T. Clinic—Even months,
3rd Wed.
Eye Clinic—2nd Tues., a.m.
Cytology Clinic—Thurs., a.m.

CIVIL PARISHES

CENTRES & CLINICS

J. Ingram,
at C,
ngroyd House,
Spath Road,
dsbury,
anchester, 20
el. Didsbury 3322)

Poynton
(Central (B) & West Wards)

Park Lane, Poynton
Welfare Centre—Thurs., p.m.
Midwives' Clinic—(Alt.) Mon., p.m.
E.N.T. Clinic—3rd Wed., p.m.
(Alt. months)
Eye Clinic—2nd Tues., a.m.
(Alt. months)
Screening Clinic—3rd Tues., a.m.
Young Children's Clinic—
4th Tues., a.m. (Alt. months)
Cytology Clinic—Thurs., a.m.
Preparation Class—(Alt.) Fri., a.m.

T. Martin,
Bridge Street,
cclesfield

Macclesfield M.B.
(North West District)

Earlsway, Weston Estate
(Tel. Macclesfield 3721)
Welfare Centre—Fri., p.m.
Ante-Natal Clinic—1st Wed., p.m.
Preparation Class—2nd and 4th
Mon., p.m.
Screening Clinic—1st and 3rd
Tues., a.m.
Young Children's Clinic—
2nd Tues., and 4th Thurs., p.m.
Immunisation Clinic—2nd
Thurs., p.m.
Pierce Street, Macclesfield
E.N.T. Clinic—3rd Wed., p.m.

A. M. Marriott,
Brocklehurst Way,
therington,
cclesfield

K. Jarvis,
Brookfield Avenue,
nton, Stockport
lf-time)

Macclesfield M.B.
(North-East District)

Hurdsfield House, Macclesfield
(Tel. Macc. 3282)
Welfare Centre—Thurs., p.m.
Ante-Natal Clinic—2nd Wed., p.m.

D. M. Owen,
Sudbury Drive,
eadle

Macclesfield M.B.
(North East District)

Hurdsfield House, Macclesfield
Welfare Centre—Thurs., p.m.
Young Children's Clinic—
1st Tues., p.m.
Ante-Natal Clinic—2nd Wed., p.m.
Preparation Class—1st and 5th
Wed., p.m.
Immunisation Clinic—3rd Tues.,
p.m.
Sanders Square, Macclesfield
(Tel. Macc. 3800)
Ante-Natal Clinic—4th Wed., p.m.
52, Bridge Street, Macclesfield
(Tel. Macc. 5501)
Ante-Natal Clinic—3rd Wed., p.m.

CIVIL PARISHES

CENTRES & CLINICS

102.

Miss W. G. Grimstone,
Rockville,
Cote Green Road,
Marple Bridge

Macclesfield M.B.
(South East District)

Hurdsfield House, Macclesfield
Ante-Natal Clinic—2nd Wed., p.m.
Preparation Class—1st Wed., p.m.
Screening Clinic—2nd Wed., p.m.
Pierce Street, Macclesfield
Eye Clinic—1st Mon., p.m., 1st
3rd and 4th Tues., p.m.,
Thurs.
Sanders Square, Macclesfield
Welfare Centre—Fri., p.m.
Ante-Natal Clinic—4th Wed., p.m.
52, Bridge Street, Macclesfield
Screening Clinic—
1st and 3rd Wed.
Audiology Clinic—1st Wed., a.m. (qual.)

103.

Miss J. Samuels,
11, Northgate Ave.,
Macclesfield

Macclesfield M.B.
(Central District)

52, Bridge Street, Macclesfield
(Tel. Macc. 5)
Welfare Centre—Mon., p.m. and
2nd and 4th Thurs.
Young Children's Clinic—
4th Tues.
Ante-Natal Clinic—3rd Wed., p.m.
Screening Clinic—1st and 3rd
Wed.
Immunisation Clinic—
2nd Tues.
Hurdsfield House, Macclesfield
Preparation Class—2nd, 4th and
5th Wed.
Sanders Square, Macclesfield
Young Children's Clinic—
2nd Thurs.
Screening Clinic—4th Wed., a.m.
Immunisation Clinic—
4th Thurs.

103a.

Miss E. M. Slack,
70, Range Court,
Hurdsfield Green,
Macclesfield

Macclesfield M.B.
(Upton and Upton Priory)

Earlsway, Weston Estate
Ante-Natal Clinic—1st Wed., p.m.
Screening Clinic—1st and 3rd
Tues.

52, Bridge Street, Macclesfield
Welfare Centre—1st and 3rd
Thurs.
Ante-Natal Clinic—3rd Wed., p.m.

Mrs. J. Porter,
Clinic Nurse

Pierce Street, Macclesfield
(Tel. Macc. 5)
M.A. Clinic—Tues. and Fri., p.m.
E.N.T. Clinic—3rd Wed., p.m.

Mrs. J. V. Lomas,
Clinic Nurse

Pierce Street, Macclesfield
M.A. Clinic—Tues. and Fri., p.m.
Eye Clinic—last Thurs., a.m.
Bridge Street, Macclesfield
Ante-Natal Clinic—1st and 3rd
Wed. p.m.
Cytology Clinic—2nd and 4th
Thurs. p.m.
Hurdsfield House, Macclesfield
Ante-Natal Clinic—2nd Wed., p.m.
Sanders Square, Macclesfield
Ante-Natal Clinic—4th Wed., p.m.
Heyes Hall, Weston
Elderly Person's Clinic—
3rd Thurs. p.m.
Parish Rooms, Macclesfield
Elderly Person's Clinic—
3rd Tues. p.m.

CIVIL PARISHES		CENTRES & CLINICS
E. O. Rae,* 9, High Street, Marriseahead, Boke-on-Trent	Sandbach U.D. (E. Ward) Arclid Brereton	Platt Avenue, Middlewich Road Sandbach (Tel. Sandbach 2970) Welfare Centre—Tues., a.m. and p.m. Preparation Class—Fri., p.m. Screening Clinic—2nd and 4th Wed., a.m.
H. Henderson,* London Road, Worth, Sandbach	Sandbach U.D. (W. & N. Wards) Bradwall Elton	Platt Avenue, Middlewich Road, Sandbach Welfare Centre— Tues., a.m. and p.m. Screening Clinic—2nd and 4th Wed., a.m. Platt Avenue, Middlewich Road, Sandbach Preparation Class—Fri., p.m.
These Health Visitors take the clinic opposite on rota.		Platt Avenue, Middlewich Road, Sandbach Welfare Centre—Tues., a.m. and p.m. Young Children's Clinic— 2nd Fri., a.m. Eye Clinic—2nd, 3rd and 4th Mon., p.m. E.N.T. Clinic—4th Wed., p.m. M.A. Clinic—3rd Fri., a.m. Immunisation Clinic—1st Wed., p.m.
M. D. Price, Clinic Nurse		
M. Corbishley,* Symondley Road, Congleton, Macclesfield	Congleton M.B. (Buglawton & South Wards) Moreton-cum-Alcumlow Newbold Astbury	Nursery Lane, Congleton (Tel. Congleton 2261) Welfare Centre—Mon., p.m. Young Children's Clinic— 2nd Thurs., p.m. Ante-Natal Clinic—Fri., p.m. Screening Clinic—Wed., a.m.
M. Marsden, Oak Grove, Wynton		
Health Visitors take the clinics listed opposite, altern- ately.	Congleton M.B. (North & West Wards)	Nursery Lane, Congleton Welfare Centre—Mon., p.m. Screening Clinic—Wed., a.m. C.D. Headquarters, West Road, Congleton Welfare Centre—Thurs., p.m. Nursery Lane, Congleton Young Children's Clinic— 2nd Thurs., p.m. War Memorial Hospital, Congleton Ante-Natal Clinic—1st and 3rd Wed., p.m.

Mrs. A. M. Thursfield, **Clinic Nurse**

(Tel. Didsbury 1071)
108. Mrs. M. B. Batty, **Cheadle and Gatley U.D.**
15, Parrswood Court, **Manchester 20**
(Tel. Didsbury 6001)

108. Mrs. M. B. Batty, **Cheadle and Gatley U.D.**
15, Parrswood Court, **Manchester 20**
(Tel. Didsbury 6001)

109. Miss G. Heald, **Cheadle and Gatley U.D.**
78, Radnorsmere Drive, **(Cheadle East & West Wards)**
Cheadle Hulme, Stockport
(Tel. Hulme Hall 2878)

110. Miss N. Heenan, **Cheadle and Gatley U.D.**
146, Edgeley Road, **(Gatley and Heald Green)**
Cheadle Heath, Stockport (CE Ward))

Nursery Lane, Congleton
Welfare Centre—Mon., p.m.
Eye Clinic—2nd and 4th Mon.
E.N.T. Clinic—4th Tues., p.m.
Cytology Clinic—Wed., a.m.
Screening Clinic—Thurs., a.m.
Young Children's Clinic—
2nd Thurs.
Immunisation Clinic—1st Thurs.

Ante-Natal Clinic—Fri., p.m.
M.A. Clinic—4th Fri., a.m.
C.D. Headquarters, West Ro
Congleton
Welfare Centre—Thurs., p.m.

Adswood Clinic, Councillor
Lane, Cheadle
(Tel. Gatley)
Welfare Centre—Mon., p.m.
Screening Clinic—4th Thurs., p.
Young Children's Clinic—
4th Wed.
Midwives' Clinic—1st and 3rd
Wed.
Preparation Class—Wed., p.m.

Brookfield, Wilmslow Road
Cheadle (Tel. Gatley)
Welfare Centre—Tues., p.m.
Young Children's Clinic—
3rd Wed.
Screening Clinic—2nd and 4th
Wed.
Adswood Clinic, Councillor
Lane, Cheadle
(Tel. Gatley 6)
Screening Clinic—4th Thurs., 1.

Brookfield, Wilmslow Road
Cheadle
Preparation Class—Wed., p.m.
Y.M.C.A. Headquarters,
Gatley
Welfare Centre—Thurs., p.m.
Young Children's Clinic—
1st We.
Screening Clinic—1st Tues., 1.

CIVIL PARISHES

CENTRES & CLINICS

S. A. Pointon, Cheadle and Gatley U.D.
2, Cavendish Road, (Cheadle Hulme (N) Ward)
Heaton Mersey,
Stockport
Tel.
Heaton Moor 3394)

St. Andrew's Parish Hall,
Orrishmere Estate, Cheadle
Hulme
Welfare Centre—Mon., p.m.
Brookfield, Wilmslow Road,
Cheadle
Screening Clinic—2nd and 4th
Wed., a.m.
Young Children's Clinic—
1st Wed., a.m.
All Saint's Parish Room,
Cheadle Hulme
Screening Clinic—2nd Tues., a.m.
Y.M.C.A. Headquarters,
Gatley
Screening Clinic—1st Tues., a.m.

S. M. Rogers, Cheadle and Gatley U.D.
Irwin Drive, (Pt. Heald Green Ward
Landforth, except CE)
Wilmslow
Tel. Wilmslow 23702)

Queensway, Heald Green
(Tel. Mercury 2127)
Welfare Centre—Thurs., a.m.
and p.m.
Screening Clinic—Wed., p.m.
Young Children's Clinic—
Alt. 1st Tues., p.m.
Ante-Natal Clinic—Fri., p.m.
Preparation Class—Fri., p.m.

M. McLeod, Cheadle and Gatley U.D.
Brampton Road, (Cheadle Hulme (S) Ward)
Bramhall,
Cheshire
Tel. Bramhall 2786)

All Saint's Parish Room,
Cheadle Hulme
Welfare Centre—Tues., p.m.
Screening Clinic—2nd Tues., a.m.
Young Children's Clinic—
2nd Wed., a.m.

E. M. McSweeney, Cheadle and Gatley U.D.
Shakespeare Dr., (Pt. Heald Green Ward
Cheadle except CE)
Tel. Gatley 3577)

Queensway, off Finney Lane,
Heald Green
Welfare Centre—Thurs., a.m.
and p.m.
Young Children's Clinic—
1st Tues., p.m. (Alt.)
Screening Clinic—Wed., a.m.
All Saint's Parish Room,
Cheadle Hulme
Welfare Centre—Tues., p.m.

H. Banister,
Clinic Nurse

Brookfield, Wilmslow Road,
Cheadle
Eye Clinic—2nd, 4th and 5th
Tues., a.m.
E.N.T. Clinic—2nd and 4th Wed.,
a.m., 4th Fri., p.m.
Queensway, off Finney Lane,
Heald Green
Eye Clinic—1st and 3rd Wed., p.m.
Adswood Clinic, Councillor
Lane, Cheadle
Eye Clinic—2nd Thurs., a.m.
Welfare Centre—Mon., p.m.
All Saint's Parish Room,
Cheadle Hulme
Eye Clinic—3rd Thurs., a.m.

CIVIL PARISHES

CENTRES & CLINICS

- 115.**
Miss G. M. Bullough,*† Hazel Grove and Bramhall U.D. (North Ward) 253, London Road, Hazel Grove (Tel. Stepping Hill 3842)
4, Belvoir Avenue, Screening Clinic—2nd Mon., p.m.
Hazel Grove, Welfare Centre—Tues., a.m.
Stockport and p
Young Children's Clinic—Tues., p.m.
- 116.**
Mrs. B. E. Crosby,* Hazel Grove and Bramhall U.D. Methodist Sunday School, Bramhall
10, Dalston Drive, (Woodford and South (DA, DB, DD, DE) Wards) Welfare Centre—Mon., p.m.
Bramhall, Screening Clinic—2nd Thurs., p.m.
Stockport Young Children's Clinic—1st Tues., p.m. (even mon)
(Tel. Bramhall 5841)
- 117.**
Hazel Grove and Bramhall U.D. 253, London Road, Hazel Grove
East Ward (except EB)) Screening Clinic—2nd and 4th Mon., a.m.
Welfare Centre—Tues., a.m.
Young Children's Clinic—1st Tues., p.m.
- 118.**
Miss M. Joslin,*† Hazel Grove & Bramhall U.D. Methodist Sunday School, Bramhall
18, Henbury Street, (South (DC, DB, DF) and Welfare Centre—Mon., p.m.
Great Moor, East (EB) Wards) Screening Clinic—2nd Thurs., p.m.
Stockport Brookdale Club, Bridge Lane
Bramhall Welfare Centre—2nd and 4th Fri., p.m.
Screening Clinic—3rd Fri., p.m.
- 118a.**
Mrs. E. M. Lowe,*† Hazel Grove & Bramhall U.D. 253, London Road, Hazel Grove
12, Mill Lane, Welfare Centre—Tues., p.m.
Hazel Grove, Screening Clinic—4th Mon., p.m.
Stockport
(Tel. Poynton 2665)
*These Health Visitors attend the clinic opposite on rota
†These Health Visitors attend the clinic opposite on rota
- Mrs. A. P. Stark, 253, London Road, Hazel Grove
Clinic Nurse Elderly Person's Clinic—Thurs., p.m.
Preparation Class—Wed., p.m.
- 253, London Road, Hazel Grove
E.N.T. Clinic—1st and 3rd Wed., p.m.
Eye Clinic—1st, 4th and 5th Thurs., p.m.
Immunisation Clinic—2nd Thurs., p.m.
- 119.**
Miss M. Berrisford, Bredbury and Romiley U.D. Lower Bent's Lane, Bredbury
59, Reddish Vale Rd., (Bredbury W. and part S. (Tel. Woodley 92)
Reddish, Wards) Welfare Centre—Tues., p.m.
Stockport Young Children's Clinic—1st Wed., p.m. and 2nd Thurs., p.m.
(Tel. Stockport 5683) Ante-Natal Clinic—Mon., p.m.
Screening Clinic—2nd and 4th Wed., p.m.

	CIVIL PARISHES	CENTRES & CLINICS
Ms. A. D. Law, 23, Lynton Drive, Andrew Lane, High Lane, Stockport	Bredbury and Romiley U.D. (Romiley, E. and W. and Compstall Wards)	Leyfield Avenue, Romiley (Tel. Woodley 2891) Welfare Centre—Thurs., p.m. Young Children's Clinic— 1st and 3rd Wed., a.m. Preparation Class—Tues., p.m. Screening Clinic—2nd and 4th Tues., a.m. Immunisation Clinic—1st Thurs., a.m.
Ms. R. Miller, Clinic Nurse		
Ms. S. V. Phillips, 44, Stockport Road, Denton, Nr. Manchester	Bredbury and Romiley U.D. (Woodley Ward)	Arthur Greenwood Centre, Woodley Welfare Centre— Mon., p.m. (Except 1st) Immunisation Clinic—1st Mon., p.m.
Ms. J. Chapman, Eskdale Avenue, off Langdale Road, Woodley, Stockport Tel. Woodley 3139)	Bredbury and Romiley U.D. (Bredbury N., Bredbury S. (part); Romiley W. (part) Wards)	Lower Bent's Lane, Bredbury Welfare Centre—Tues., p.m. Screening Clinic—2nd and 4th Wed., p.m. Young Children's Clinic— 1st Wed., p.m. Eye Clinic— 3rd, 4th and 5th Fri., p.m.
Ms. K. Crossley, Clinic Nurse		Lower Bent's Lane, Bredbury Ante-Natal Clinic—Mon., p.m. Eye Clinic—3rd, 4th and 5th Fri., p.m.
Ms. D. H. Garner,* 72, Huddersfield Rd., Stalybridge	Stalybridge M.B. (Polling Districts FA, FC, GA, GB)	Huddersfield Road, Millbrook, Stalybridge (Tel. STA 2544) Welfare Centre—Mon., p.m. Stamford Street, Stalybridge, (Tel. STA 2278) Welfare Centre—Tues., p.m.
Ms. M. E. Mackenzie,* 3, Thorn Road, Ramhall, Stockport	Stalybridge M.B. (Polling Districts FB, FE, GE)	Stamford Street, Stalybridge Welfare Centre—Tues. and Wed., p.m. M.A. Clinic—Mon., a.m.
Ms. F. H. Bailey,* Shaw Hall Avenue, Wyde	Stalybridge M.B. (Polling Districts GD, GC, GF)	Stamford Street, Stalybridge Welfare Centre—Tues., p.m. Eye Clinic—2nd, 3rd and 4th Tues., a.m. Huddersfield Road, Millbrook Welfare Centre—Mon., p.m. Stamford Street, Stalybridge Young Children's Clinic— 1st Wed., a.m. Preparation Class—Tues., p.m. Screening Clinic—Thurs., a.m. Immunisation Clinic—Thurs., a.m.

These Health Visitors also
attend on rota the other
clinics opposite.

CIVIL PARISHES

CENTRES & CLINICS

125.

Dukinfield M.B.
(Polling Districts AA, AB,
AC, BB)

134, King Street, Dukinfield
(Tel. Ash 37)
Welfare Centre—Wed., p.m.
Eye Clinic—1st, 2nd and 3rd
Fri., p

126.

Mrs. M. Knowles,†
189, Stamford Street,
Stalybridge

Dukinfield M.B.
(Polling Districts AE, AF)
Stalybridge M.B. (FD)

Dewsnap Lane, Dukinfield
(Tel. Ash 52)
Welfare Centre—Thurs., p.m.
E.N.T. Clinic—1st and 2nd
Tues., 1
Young Children's Clinic—
1st Thurs., 1

127.

Mrs. J. Lee,†
41, Clifton Road,
Heaton Moor,
Stockport

Dukinfield M.B.
(Polling Districts AD, BA)

134, King Street, Dukinfield
Welfare Centre—Wed., p.m.
Dewsnap Lane, Dukinfield
Welfare Centre—Thurs., p.m.

Dewsnap Lane, Dukinfield
Preparation Class—Mon., p.m.
Screening Clinic—(Alt.) Wed., a

†The clinic opposite is taken
by the above Health Visitors
in turn.

128.

Miss W. Watkins,
37, Old Road,
Tintwistle, Hyde

Longdendale U.D.
(excluding Mottram Ward)
Tintwistle R.D.

Market Street, Hollingworth
(Tel. Mottram 2)
Welfare Centre—1st and 3rd
Thurs.,
Midwives' Clinic—Tues., p.m.
M.A. Clinic—Tues., p.m.
Immunisation Clinic—1st
Mon.

Christ Church School,
Tintwistle
Welfare Centre—2nd and 4th
Thurs.,

Wesleyan School, Broadbott
Welfare Centre—1st and 3rd
Wed.

129.

Miss M. Taylor,†
20, Primrose Avenue,
Hyde.
(Tel. Hyde 3207)

Hyde M.B.
(Werneth Ward, part I and II)

Corporation Street, Hyde
(Tel. Hyde 4)
Screening Clinic—2nd and 4th
Tues.
Ante-Natal Clinic—Thurs., p.m.
Methodist Sunday School,
Gee Cross, Hyde
Welfare Centre—Mon., p.m.

CIVIL PARISHES

CENTRES & CLINICS

A. Tompkins,
Wilmslow Road,
Cadle
L. Gatley 3551)

Hyde M.B.
(Godley Ward, parts II & IV)

Hattersley Road E., Hattersley
(Tel. Hyde 4331)
Welfare Centre—
Mon. and Thurs., p.m.
Screening Clinic—
1st and 3rd Fri., a.m.
Ante-Natal Clinic—Wed., p.m.

E. Plaiter,†*
Lower Hague Bar,
nes, Stockport
L. Disley 3556)

Hyde M.B.
(Godley Ward, parts I, V, VI,
VII)

Corporation Street, Hyde
Welfare Centre—Wed., p.m.
Methodist Sunday School,
Gee Cross, Hyde
Welfare Centre—Mon., p.m.

M. A. Lane,†*
Siddington Avenue,
wood,
kport

Hyde M.B.
(Werneth Ward, parts III,
IV, V, VI)

Corporation Street, Hyde
Welfare Centre—Wed., p.m.
Screening Clinic—
2nd and 4th Tues., a.m.

. Scott,
Bakewell Road,
el Grove

Hyde M.B.
(Newton Ward, parts I, II &
III)

Bayley Hall, Hyde
Welfare Centre—Tues., p.m.
Screening Clinic—1st and 3rd
Mon., p.m.

Beaumont,*
nestead,
ave Road,
iley,
kport

Hyde M.B.
(Newton Wards, parts IV &
V)

Bayley Hall, Hyde
Screening Clinic—1st and 3rd
Mon., p.m.
Welfare Centre—Tues., p.m.

ese Health Visitors take
rota the clinic opposite.

Corporation Street, Hyde
Welfare Centre—Fri., p.m.

ese Health Visitors take
rota the clinic opposite.

Screening Clinic—2nd and 4th
Tues., a.m.

. Farmer,
ic Nurse

Corporation Street, Hyde
M.A. Clinic—Mon., a.m.
Eye Clinic—1st Tues., a.m.,
3rd Fri., a.m.

. H. T. Scott,
orrington Drive,
ersley, Hyde

Hyde M.B.
(Godley Ward Part III)
Longdendale U.D.
(Mottram Ward)

Hattersley Road E., Hattersley
Welfare Centre—
Mon. and Thurs., p.m.
Screening Clinic—
1st and 3rd Fri., a.m.

CIVIL PARISHES

CENTRES & CLINICS

134.

Miss B. F. Sherratt,*
Birch Rise,
Red Lane,
Disley,
Stockport

Marple U.D.
(Mellor and North Wards)

Methodist Sunday School,
Mellor
Welfare Centre—1st and 3rd
Thurs

135.

Miss B. Brewster,*
Spout House Farm,
Strines,
Stockport
(Tel. 061—427 1494)

Marple U.D.
(South Ward)
Disley R.D.

Village Hall, High Lane
Welfare Centre—2nd and 4th
Tues

135a.

Mrs. K. Hockmeyer,
82, Brown Lane,
Heald Green

Glencil House, Disley
(Tel. Disley)
Welfare Centre—1st and 3rd
Tue

St. Mary's Sunday School,
Disley
Midwives' Clinic—Mon., p.m.

136.

Miss J. M. Allan,*
41, Whitehaven Road,
Bramhall

Marple U.D.
(Ludworth and Central
Wards)

Women's Institute, Marple
Bridge
Welfare Centre—2nd and 4th
Thurs

*The three Health Visitors
take these two clinics on rota.

Memorial Park, Stockport
Road, Marple
(Tel. Marple)
Welfare Centre—Wed., p.m.
Screening Clinic—4th Wed.,

HOME NURSES (191)
(Those marked * practise Midwifery)

	Nurse	Address	Tel. No.	
	Miss L. C. Jones*	Council Bungalows, 12, Wilbraham Close, Acton, Nantwich	Nantwich	65571
ton	Mrs. K. A. Dawson*	Butley Hey, London Road, Prestbury, Macclesfield	Prestbury	89360
ey	Mrs. M. Topley*	Tara, Welsh Row, Nether Alderley	Alderley Edge	2505
ey Edge d	Miss M. M. Hatton*	Holly Croft, Row of Trees, Alderley Edge, Cheshire	Alderley Edge	3364
	Mrs. D. Mellor*	Nurse's Cottage, Aldford, Chester	Aldford	37
r	Mrs. E. Weatherall	25, Cresswellshawe Road, Alsager, Stoke-on-Trent	Alsager	67
ham	Mrs. B. Bradburn	3, Ridgeway Road, Timperley	061—980 7821	
	Miss A. B. M. Doherty	212a, Ashley Road, Hale, Altrincham	Altrincham	6523
	Mrs. J. Knowles	1, Hawthorn Road, Hale, Altrincham	Altrincham	4919
	Mrs. S. J. McGrath	8, Westminster Road, Hale, Altrincham	Ringway	7230
	Miss K. T. Burke	Bottom Flat, 1, Hawthorn Road, Hale, Altrincham	Altrincham	0906
	Mrs. A. Warburton	Montafon, Vicarage Lane, Bowdon, Altrincham	Altrincham	0138
	Mr. H. P. Smith	49, Briarfield Road, Timperley, Altrincham	Ringway	7945
	Miss M. McClement- Williams*	District Nurse's Home, Smithy Lane, Mouldsworth, Chester	Manley	268
y	Miss V. Spencer*	Black and White Cottage, Astbury, Congleton	Congleton	3451
n on	Miss M. H. Hunter*	The Gables, Audlem, Crewe	Audlem	422
	Mrs. S. A. Cash*	Cherry Lodge, Beacon Lane, Heswall, Wirral	Heswall	4037
n	Mrs. S. M. Dorling*	30, Hayes Drive, Barnton, Northwich	Northwich	4080
y	Miss G. Jones*	Minnifordd, High Street, Tarvin, Chester	Tarvin	240
	Mrs. B. Whitehead	Cartref, Whitegate Lane, Ashton, Chester	Kelsall	439
ton	Mr. E. Cochrane	215, Teehey Lane, Bebington	Mountwood	3516
	Mrs. A. Davies	216, Higher Bebington Road, Higher Bebington, Wirral	Mountwood	1840
	Mrs. I. M. Eden	5, Anscot Avenue, Bebington, Wirral	Rock Ferry	1925
	Miss M. G. Griffiths	10, Kempson Terrace, Bebington, Wirral	Bromborough	2480
	Mrs. R. Kophamel	29, Oak Road, Woodhey, Bebington	Rock Ferry	5707
	Mrs. M. R. Heatley	203, Teehey Lane, Bebington	Mountwood	1126
	Mrs. B. Baker	79, Townfield Lane, Bebington	Rock Ferry	5341
on	Mrs. B. A. Moss*	20, Mill Grove, Bulkeley, Malpas, Cheshire	Cholmondeley	217
ton	Miss A. Barlow*	13, Waterhouse Avenue, Bollington, Macclesfield	Bollington	3179
	Mrs. M. M. Brocklehurst*	Sidmere, Dale Brow, Prestbury, Macclesfield	Prestbury	89811
	Mrs. M. Wood	Ingersley Vale Cottages, Bollington, Macclesfield	Bollington	3204

HOME NURSES—contd.

District	Nurse	Address	Tel. No.
Bramhall	Miss A. P. Jolliffe*	81, Ack Lane East, Bramhall, Stockport	Bramhall
	Mr. D. Hornby	126, Moor Lane, Woodford, Bramhall, Stockport	Bramhall
	Mrs. C. M. Renshaw*	33, Lumb Lane, Bramhall, Stockport	Bramhall
	Miss K. H. Walsh*	204, Bramhall Lane South, Bramhall	Bramhall
	Mrs. D. M. Rogers	4, Lawton Close, Bredbury Green, Romiley	061—43
Bredbury	Mrs. L. M. Gillam	21, Lyndhurst Avenue, Bredbury	Woodley
	Mrs. G. B. Gorick	12, Etherow Avenue, Romiley, Stockport	Marple
	Miss E. E. Phillips	404, Stockport Road, Denton, Manchester	Denton
Brom-borough	Mrs. M. Jelly	26, Overdale Avenue, Barnston, Wirral	Irby
	Mrs. E. Martlew	2, Kelsall Avenue, Eastham, Wirral	Eastham
Buglawton	Miss M. S. Bowman*	4, High Lowe Avenue, Buglawton, Congleton	Congleton
Bunbury	Miss M. P. M. Feehan*	The Oak, Bunbury Lane, Bunbury, Tarporley	Bunbury
Burton	Mrs. M. Blackwell*	Pear Tree Cottage, Burton, Neston, Wirral	Burton
Cheadle	Mrs. W. Wareing*	6, Waldon Avenue, Cheadle, Cheshire	Gatley
	Miss L. Broadhurst	22, Ravenoak Road, Cheadle Hulme, Cheadle, Cheshire	Hulme Hall
	Mrs. H. M. Jackson	44, Cheadle Road, Cheadle Hulme, Cheadle, Cheshire	Hulme Hall
	Mr. K. Topley	Tara, Welsh Row, Nether Alderley	Alderley Edge
	Mr. H. Abbott	79, Queens Road, Cheadle Hulme, Hulme Hall	Hulme Hall
Cheadle Hulme	Mrs. E. T. King	36, Yew Tree Park Road, Cheadle Hulme	Bramhall
	Mrs. V. Marshall	27, Henley Avenue, Cheadle Hulme, Cheadle, Cheshire	Hulme Hall
	Mrs. J. M. Armshaw	38, Tennyson Road, Cheadle, Cheshire	Gatley
Chelford	Mrs. I. Hughes*	9, Orchard Crescent, Welsh Row, Nether Alderley	Alderley Edge
Cholmondeley	Miss M. Brocklehurst*	Nurse's Cottage, Bickley Moss, Whitchurch, Shropshire	Cholmondeley
Combermere	Miss W. A. George*	1, Council Houses, Newhall Lane, Aston, Nantwich	Aston (Nantwich)
Congleton	Mrs. B. Morris	24, The Westlands, Congleton	Congleton
	Mrs. V. A. R. Butler*	8, Edinburgh Road, Congleton	Congleton
Crewe	Mrs. C. L. Hope	13, Hallshaw Avenue, Crewe	Crewe
	Mrs. A. M. Probert	20, Carroll Drive, Wistaston	Crewe
	Mrs. M. Beckett	25, Sandown Road, Crewe	Crewe
	Mrs. H. M. Shaw	49, Stoneley Road, Crewe	Crewe
	Mrs. C. M. Carrington	149, Nantwich Road, Crewe	Crewe
Daresbury	Mrs. J. M. Cunningham*	Delph Cottage, Daresbury, Warrington	Moore

HOME NURSES—contd.

District	Nurse	Address	Tel. No.	
Davenham	Miss M. Buckley*	437, London Road, Davenham, Northwich	Northwich	3027
Ellesmere	Mrs. S. I. Evans*	Fir Cottage, Cotebrook, Tarpurley, Cheshire	Little Budworth	418
Disley	Mrs. M. G. Rolls*	7, Bentside, Disley, Stockport	Disley	2176
Eccleston	Mrs. M. E. Pilliner*	'Omega', Eaton Road, Eccleston, Chester	Eccleston	200
Dukinfield	Miss E. M. Ambler	212, Astley Street, Dukinfield	Ashton	1689
	Miss O. Morton	28, Kenyon Avenue, Dukinfield	Stalybridge	2562
	Mrs. H. M. Johnson	21, Fir Tree Drive, Newton, Hyde	Hyde	3402
Dunham	Mrs. O. Chapman	43, Bucklow Avenue, Partington, Urmston, Manchester	061—775 2264	
Massey	Mrs. A. Engstrom	28, Rossmore Road West, Overpool	Ellesmere Port	2543
Port	Mrs. F. Massey	1, Woodsome Drive, Whitby, Ellesmere Port	Ellesmere Port	2437
	Mr. S. A. Hodges	1, Maple Avenue, Little Sutton, Wirral, Cheshire	Hooton	2393
Thornton		14, Whitefields, Elton, Chester	Thornton-le-Moors	368
Farndon	Mrs. K. E. Barlow*	1, Stannage Cottage, Churton-by-Farndon	Farndon	286
Frodsham	Mrs. A. V. Burke*	10, Kingsway, Frodsham	Frodsham	2109
	Miss G. H. Langrell*	19, Clifton Crescent, Frodsham, Warrington	Frodsham	2235
	Mrs. C. L. Ormsby*	10, Fountain Lane, Frodsham, Warrington	Frodsham	2027
Gawsworth	Mrs. A. Parsons*	Newlands, Woodhouse Lane, Gawsworth, Macclesfield	Macclesfield	2187
Goostrey	Mrs. M. W. Yarnold*	24, Booth Bed Lane, Goostrey, Crewe	Holmes Chapel	3244
Grappenhall	Mrs. M. Rhodes	27, St. Wilfred's Drive, Grappenhall, Warrington	Warrington	64176
Heswall	Mrs. E. Burgess*	Dunkerry, Gibb Hill, Antrobus, Northwich	Comberbach	400
Halton	Miss F. R. Partington*	47, Main Street, Halton, Runcorn	Runcorn	2597
Hazel Grove	Miss W. M. Curtis*	29, Bean Leach Road, Hazel Grove, Stockport	061—483 2292	
	Miss S. E. Ratcliffe*	29, Bean Leach Road, Hazel Grove, Stockport	061—483 2292	
	Mrs. M. J. Sibbitt	18, Linda Drive, Hazel Grove, Stockport	Stepping Hill	1185
Helsby	Mrs. N. E. Stewart*	Thorns, Alvanley Road, Helsby, Warrington	Helsby	2143
Heswall	Miss C. M. Edwards*	1, Shrewsbury Road, Heswall, Wirral	Heswall	710
Sutton	Miss M. M. Brown*	53, Walker Lane, Sutton, Macclesfield	Sutton	363
Disley	Mrs. C. W. M. Woof	2, Chatsworth Road, High Lane, Stockport	Disley	2790

HOME NURSES—contd.

District	Nurse	Address	Tel. No.
Hollingworth	Mrs. M. A. Clarke	29, Heather Grove, Hollingworth, Hyde	Mottram
Holmes Chapel	Miss L. B. Blunsum*	19, West Way, Holmes Chapel, Crewe	H. Chapel
Hoylelake	Miss E. J. Cubbin*	20, Bispham Drive, Meols	Hoylelake
	Miss E. Foster*	9, Airlie Road, Hoylelake	Hoylelake
	Mrs. D. Macrae	42, Greenway, Greasby, Wirral	Arrowebrook
	Mrs. J. DeValve	17, Derwent Road, Meols, Wirral, Cheshire	Hoylelake
Hyde	Mrs. R. T. Shine	28, Jubilee Drive, West Kirby	Caldy
	Miss G. McClean	222, Clarendon Road, Hyde	Hyde
	Miss N. McClean	222, Clarendon Road, Hyde	Hyde
	Mrs. M. C. Scott	17, Henry Street, Hyde	Hyde
	Miss E. Ramsden	27, King George Road, Hyde	Hyde
	Miss E. Palfreyman*	The Cottage Flat, No. 1, Milverton Walk, Hattersley, Hyde	Hyde
Irby	Mrs. D. Davison*	26, Cornelius Drive, Pensby, Heswall, Wirral	Irby
	Mrs. M. L. Roberts*	43, Bridgenorth Road, Irby, Wirral, Cheshire	Irby
Knutsford	Mrs. J. Jones	12, Forest Road, Heswall, Wirral	Heswall
	Mrs. M. O. Stone*	46, Townfields, Knutsford	Knutsford
	Mrs. M. L. Buckley*	7, Ascol Drive, Plumley, Knutsford	Northwich
Little Leigh	Miss E. M. Fishwick*	14, Brakeley Lane, Little Leigh, Northwich	Comberbach
Little Sutton	Mrs. V. Sandbach	23, Hillcrest Road, Little Sutton, Wirral	Hooton
Lostock Gralam	Mrs. L. M. Newsome	20, Mere Road, Marston	Comberbach
Lymm	Mrs. A. B. James	26, Highfield Road, Lymm, Cheshire	Lymm
	Mrs. G. Shaw	10, Albany Grove, Statham, Lymm, Cheshire	Lymm
Maccles- field	Mrs. J. Bridge	3, Hayes Farm Road, Macclesfield	Macclesfield
	Miss A. K. Keates	28, Berwick Close, Upton Priory, Macclesfield	Prestbury
	Mr. J. E. Billings	21, Hillcrest Road, Gawsworth, Macclesfield, Cheshire	Macclesfield
	Mrs. P. V. Moores	Wood Lee, Harridge Road, Swanscoe, Macclesfield	Macclesfield
	Mrs. M. Leonard	62, Merebrook Road, Weston Macclesfield	Macclesfield
Malpas Marple	Mrs. L. Clachrie*	Redwood, 16, Waterside Road, Marple, Stockport	Marple
	Mrs. K. E. Watson	4, Worthing Close, Offerton, Stockport	Stepping Hill
Marple Bridge	Miss N. Greanleaf	25, Station Road, Marple, Stockport, Cheshire	Marple
Marston	Mrs. W. G. Hudson*	2, Mere Close, Pickmere, Knutsford	Pickmere
Middlewich		11, Coronation Road, Middlewich	Middlewich
	Mrs. M. Taylor*	32, Sutton Lane, Middlewich	Middlewich
Mobberley	Mrs. B. Horry*	9, Tatton Stile, Mobberley, Knutsford	Mobberley

HOME NURSES—contd.

district	Nurse	Address	Tel. No.	
Mottram	Miss W. Watkins	37, Old Road, Tintwistle, Hyde	Glossop	3842
Moulton	Miss V. R. Watts*	21, Eaton View, Moulton, Northwich	Winsford	2346
Northwich	Miss E. Larnach*	20, Shrewbridge Crescent, Nantwich	Nantwich	65294
	Miss M. Mansfield*	20, Shrewbridge Crescent, Nantwich	Nantwich	65294
Norton	Mrs. D. M. Edwards	Yew Tree House, Liverpool Road, Neston	Neston	3273
Pole	Miss I. E. Belsham*	Nurse's Bungalow, Crabmill Lane, Norley, Warrington	Kingsley	265
Northwich	Mrs. P. M. Waterman	7, Kingsway, Northwich	Northwich	3707
	Mr. W. Hudson	2, Mere Close, Pickmere, Knutsford	Pickmere	638
	Mrs. S. Lancaster	12, Riddings Lane, Hartford, Northwich	Northwich	5685
	Mrs. P. E. Edwards	11, Woodlands Road, Hartford, Northwich	Northwich	4588
Radcliffe	Miss H. Barry*	2, Drenfell Road, Scholar Green, Stoke-on-Trent	Kids Grove	2929
Partington	Mrs. D. Jackson	17, Birch Road, Partington, Urmston, Manchester		061—775 4700
Poynton	Miss A. Cheetham*	82, Barnaby Road, Poynton, Stockport	Poynton	2137
	Miss I. Evans*	65, Oak Grove, Poynton, Stockport	Poynton	4277
	Mrs. D. M. Shaw*	28, Holly Road, Poynton	Poynton	2771
Prestbury		18, Bollin Grove, Prestbury, Macclesfield	Prestbury	89464
Rainow	Mrs. G. A. Moss	Oakwood, Chapel Lane, Rainow, Macclesfield	Bollington	2184
Runcorn	Mrs. F. Fowles	36, Oxford Road, Runcorn	Runcorn	2849
	Mrs. A. A. Marsh	27, Perrin Avenue, Weston Point, Runcorn	Runcorn	3730
	Mr. J. C. Cheetham,	8, Cynthia Road, Runcorn	Runcorn	3137
	Mrs. S. Austin	38, Ashfield Road, Sale	Pyramid	2302
	Mrs. M. A. White	16, Buck Lane, Sale	Sale	4706
	Mrs. E. Hedgman	9, Marsden Drive, Timperley, Altrincham	Ringway	4156
Sandbach	Mrs. E. Atkinson	3, Chilcote Avenue, Sale	Sale	6851
	Mrs. I. Hoyle*	9, Offley Avenue, Sandbach	Sandbach	2852
	Mrs. M. Wainwright	87, Platt Avenue, Sandbach	Sandbach	2256
Sandiway	Miss J. Rigby*	The Cottage, Glebe Road, Cuddington, Northwich	Sandiway	2252
Saughall	Mrs. M. A. Salt*	9, Lodge Lane, Saughall, Chester	Saughall	200
Shavington	Mrs. E. N. Feather	12, Burlea Drive, Rope Lane, Shavington, Crewe	Crewe	67234
Stalybridge	Mr. S. Steels	21, Shakespeare Avenue, Millbrook, Stalybridge	Stalybridge	2315
	Mrs. P. A. Harrop	64, Town Lane, Dukinfield	Ashton-under-	4838
			Lyne	
	Mrs. J. G. Gregson	2, Roe Cross Green, Mottram, Hyde	Mottram	3493
	Mrs. A. R. Porter	27, Copley Avenue, Stalybridge	Stalybridge	3183

HOME NURSES—contd.

District	Nurse	Address	Tel. No.	
Stapeley	Miss E. Reilly*	22, Jackson Avenue, Nantwich	Nantwich	655
Stockton Heath	Miss W. Maher	44, Whitfield Avenue, Bruche, Warrington	Warrington	317
	Miss V. E. O'Donnell	104, Fairfield Road, Stockton Heath, Warrington	Warrington	645
	Mrs. O. Holbrook	86, Grappenhall Road, Stockton Heath, Warrington	Warrington	629
Stretton	Mrs. K. Newstead	3, Beverley Avenue, Appleton, Warrington	Warrington	647
Tarporley	Mrs. M. Stewart*	10, Eaton Road, Tarporley	Tarporley	5
Tattenhall	Mrs. D. M. Harper*	Fairway, Tattenhall Road, Tattenhall, Chester	Tattenhall	3
Tilston	Mrs. I. A. Haynes*	Fern Lea, Tilston, Malpas, Cheshire	Tilston	
Timperley	Miss M. B. McGrath	34, Keswick Road, Timperley, Altrincham	Ringway	29
	Mrs. S. Bruce	14, St. George's Crescent, Timperley, Altrincham	Sale	58
	Mrs. A. Coombs	12, Lynton Grove, Timperley	Ringway	61
Upton	Mrs. E. C. Iball	73, Upton Drive, The Bache, Upton, Chester	Chester	278
Vicars Cross	Mrs. R. I. Croome	40, Vicar's Cross, Chester	Chester	41
Weaverham	Mrs. M. J. Jackson	9, West Road, Weaverham, Northwich	Weaverham	2
	Mrs. A. Webster	Sarnia, Cartledge Close, Cuddington, Northwich	Sandiway	2
Wheelock	Miss L. M. Rhead	647, Crewe Road, Wheelock, Sandbach	Sandbach	2
Willaston (Wirral)	Mrs. M. A. K. M. Williams*	The Grey Cottage, Hooton Road, Willaston, Wirral	Willaston	2
Willington	Mrs. M. S. Vickers*	9, Carter Avenue, Kelsall, Chester	Kelsall	
Wilmslow	Mrs. L. D. Plevin	51, Pickmere Road, Handforth, Wilmslow	Wilmslow	23
	Miss D. I. Hooper	17, Pickmere Road, Handforth, Wilmslow, Cheshire	Wilmslow	24
		17, Bourne Street, Wilmslow, Cheshire	Wilmslow	22
	Mrs. K. Flanagan	61, Dean Drive, Wilmslow	Wilmslow	22
	Mrs. P. Parker	8, Sycamore Close, Lacey Green, Wilmslow	Wilmslow	21
Winsford	Miss I. A. Bremner*	204, Ways Green, Winsford, Cheshire	Winsford	
	Miss P. M. Jones*	8, Wellfield, Wharton Road, Winsford, Cheshire	Winsford	
	Mrs. I. P. Lucas	53, Meadow Avenue, Goostrey, Holmes Chapel, Crewe	Holmes Chapel	
Wistaston	Mrs. N. G. Tomkinson	116, Stock Lane, Wybunbury, Nantwich	Wybunbury	
Worleston	Mrs. R. E. Fort*	Laundry Cottage, Rookery Park, Worleston, Nantwich	Nantwich	6

HOME NURSES—contd.

Home Nurses

Nurse	Address	Telephone	
Mrs. M. E. Adamson	21, Oakleigh Avenue, Timperley	Sale	5338
Miss E. Bailey	Oak Brow Cottage, Styal, Wilmslow	Wilmslow	22738
Mrs. M. Chesters	23, Davenport Avenue, Crewe	Crewe	2130
Mrs. B. Collier	2, Beech Avenue, Rosehill, Marple, Stockport		
Mrs. D. Cooke	2, Manor Grove, Hartford, Northwich	Northwich	5097
Mrs. M. Craven	30, Kildonan Road, Grappenhall, Warrington	Warrington	61725
Mrs. V. M. Dutton*	Walkers Green Farm, Sproston, Middlewich	Middlewich	2174
Mrs. J. Fergusson*	28, Reevey Avenue, Hazel Grove	Stepping Hill	5196
Mrs. D. Frame	6, Thorneyholme Drive, Knutsford	Knutsford	2558
Mrs. M. D. Hanily	12, Elmsway, Bollington, Macclesfield	Bollington	3294
Mrs. E. L. Hartwell	28, Alexandra Grove, Runcorn	Runcorn	4628
Mrs. R. Henry	9, Hillary Road, Hyde		
Mrs. A. Howard	17, Queen's Drive, Sandbach	Sandbach	3487
Mrs. S. M. Hull	Manton, South Close, Wilmslow	Wilmslow	23541
Mrs. E. A. Jones	Woodcroft, Wealstone Lane, Plas Newton, Chester	Chester	27063
Mrs. J. H. Jones	115, Hyde Road, Woodley, Stockport	Woodley	3685
Mrs. P. A. Jones	12, Tower Road South, Heswall	Heswall	4874
Mrs. J. Lightfoot	22, Mairesfield Avenue, Grappenhall	Warrington	63299
Miss G. M. Magee	62, Sutton Oakes, London Road, Holmes Chapel		
Mrs. L. McHattie*	Burrswood, London Road, Prestbury	Prestbury	89810
Mrs. K. Medley	50, Middlewich Road, Northwich	Northwich	3212
Mrs. G. Newton	Newlyn, 15, Brookside Avenue, Poynton, Stockport	Poynton	4847
Mrs. J. A. Pownall	8, Newlands Road, Stockton Heath, Warrington	Warrington	63905
Mrs. M. Pugh	26, Ferguson Avenue, Overpool, Ellesmere Port	Ellesmere Port	3930
Mrs. L. M. Quint	51, Greenhill Road, Timperley, Altrincham	Ringway	2133
Mrs. M. Reece	26, George Street, Barnton, Northwich		
Mrs. S. Rustage	29, Broom Road, Hale, Altrincham	Altrincham	6859

Part-time Nurses—contd.

Nurse	Address	Telephone
Mrs. J. Salter	24, Walden Crescent, Hazel Grove	Stepping Hill
Mrs. E. Scholes	36, Bailey Crescent, Congleton	Congleton
Mrs. E. E. Sellers	17, Bracken Way, Frodsham, Warrington	
Mrs. E. M. Skellam	28, Birch Avenue, Alsager	Alsager
Mrs. G. A. Stanway	23, Beswicks Road, Northwich	Northwich
Mrs. W. F. Stenning	9, Collingham Green, New Wimpey Estate, Little Sutton	Hooton
Mrs. I. R. Whittam	6, Leigh Road, West Kirby, Wirral	Caldy
Mrs. G. Widd	28, Brookfield Drive, Timperley, Altrincham	Pyramid
Mrs. B. M. Williams	3, Olive Drive, Neston, Wirral	Neston

COUNTY MIDWIVES (89)

	Name	Address	Telephone	
t	Mrs. E. L. Pedley	6, Audley Road, Alsager, Stoke-on-Trent	Alsager	2583
r				
ham	Mrs. G. M. Fitton	122, Green Lane, Timperley, Altrincham	Ringway	3001
		26, Grove Lane, Timperley, Altrincham	Ringway	6263
ton	Mrs. C. R. Green	152, Town Lane, Bebington	Mountwood	1747
	Mrs. N. C. Birkett	84, Thorburn Road, New Ferry	Rock Ferry	4621
	Mrs. M. C. O'Brien	Rhianva, Spital Road, Bromborough, Wirral	Bromborough	4477
	Mrs. D. Clarke	922, New Chester Road, Bromborough, Wirral	Eastham	2368
	Miss J. V. Joyce	108, Mill Park Drive, Eastham, Wirral	Eastham	2022
ry	Miss M. M. Leigh	5, Hillside Road, Woodley, Stockport	Woodley	2754
	Mrs. S. A. Christmas	9, Merton Avenue, Bredbury	Woodley	3778
e	Mrs. S. Henry	58, Ladybridge Road, Cheadle Hulme	Hulme Hall Gatley	3261 6598
	Mrs. M. F. Ward	33, Brookhead Drive, Cheadle		
	Miss R. McMechan	45, Neal Avenue, Heald Green, Cheadle, Cheshire	Mercury Gatley	1138 5759
	Miss J. Blackledge	2, Alder Road, Cheadle		
	Mrs. L. Abbott	79, Queen's Road, Cheadle Hulme	Hulme Hall	4667
	Mrs. C. Hibbert	11, Plant Lane, Elton, Sandbach	Sandbach	2556
		199, Eldeston Road, Crewe	Crewe	3701
eld	Miss L. W. O'Hara	13, Foundry Street, Dukinfield	Ashton	4874
	Miss L. Bradley	24, Morar Road, Dukinfield	Ashton	4261
	Mrs. M. Brown	158, King Street, Dukinfield	Ashton	4940
and Lane	Mrs. L. Baker	Southcot, Buxton Road, Newtown New Mills, Stockport	Disley	2965
	Mrs. C. L. Harvey	2, Wybersley Road, High Lane, Stockport	Disley	3889
re Port	Miss E. Bowyer	71, Glenwood Road, Little Sutton, Wirral	Hooton	2689
	Miss H. Jobber	138, Princes Road, Ellesmere Port	Ellesmere Port	1215
	Miss F. J. Turner	7, Gleneagles Road, Great Sutton	Hooton	2146
	Mrs. M. H. Bendell	Lyndale, 6, Palm Grove, Sunny Haven Estate, Whitby, Ellesmere Port	Ellesmere Port	1982
	Miss I. N. Willis	1, Mallory Road, Ellesmere Port	Ellesmere Port	2964
	Mrs. A. M. Harwood	2, Woodchurch Lane, Ellesmere Port	Ellesmere Port	2351
	Mrs. H. M. Spence	48, Aldgate, Ellesmere Port	Ellesmere Port	3108
nhall	Miss E. Tinker	30, Georges Crescent, Grappenhall, Warrington	Warrington	61975
	Mrs. H. Grace	41, Springfield Avenue, Grappenhall, Warrington	Warrington	62301
d Barns	Mrs. M. J. Mitchell	22, Arthog Drive, Hale	Ringway	2481

COUNTY MIDWIVES—contd.

District	Name	Address	Telephone
Hartford	Mrs. R. Twiss	Epworth Cottage, 64-66, Beech Road, Hartford, Northwich	Northwich
Hazel Grove	Mrs. M. Vidovic	20, Reevey Avenue, Hazel Grove, Stockport	Stepping Hill Stepping Hill
Hollingworth Hoylake and West Kirby	Mrs. J. V. Lyons	62, Talbot Street, Hazel Grove	Mottram
	Mrs. K. O'Grady	7, Hawthorne Grove, Hollingworth, Hyde	
	Miss Mona Williams	1, Trinity Road, Hoylake, Wirral	Hoylake
Hyde	Mrs. M. Cooper	38, Rigby Drive, Greasby, Wirral	Arrowebrook
	Miss G. Wotton	103, Lloyd Drive, Greasby, Wirral	Arrowebrook Hyde
	Mrs. E. Hudson	202, Dowson Road, Hyde	Hyde
	Mrs. M. Williams	10, Hudson Road, Gee Cross, Hyde	
	Miss M. M. Todd	5, Ashworth Way, Hattersley, Hyde	
Lymm	Mrs. Y. Sidebottom	26, Cheriton Close, Hattersley, Hyde	Hyde
	Miss J. Pike	21, The Crescent, Lymm, Cheshire	Lymm
Macclesfield	Miss F. A. Scrivens	Flat 4, Sunny Bank, London Road, Macclesfield	Macclesfield
	Mrs. M. Woolstenhulme	55, Wentworth Avenue, Weston, Macclesfield	Macclesfield
	Miss E. Barlow	82, Ivy Meade Road, Macclesfield	Macclesfield
	Mrs. F. E. Davies	10, Fairfield Avenue, W. Bollington, Macclesfield	Bollington
	Mrs. M. Fitzgerald	2, Wilton Crescent, Weston, Macclesfield	Macclesfield
	Miss H. E. Kelley	8, Hillcrest Road, Gawsorth, Macclesfield	Green Hills
Marple		19, Greenbank Crescent, Mount Drive Estate, Marple Stockport	Marple
	Mrs. M. Usansky	10, Beech Avenue, Marple, Stockport	Marple
Neston	Miss D. Price	Gorston, Sandy Lane, Little Neston, Wirral	Neston Neston
	Miss M. R. Walker	7, Raby Road, Neston, Wirral	
Northwich	Mrs. W. A. Place	22, Fairfield Road, Leftwich, Northwich	Northwich Northwich
	Miss D. I. Price	38, Water Street, Northwich	
Partington	Miss H. Lawrie	45, Bucklow Avenue, Partington, Urmston, Manchester	Irlam
	Mrs. M. Brown	30, Elizabeth Road, Partington, Urmston, Manchester	Irlam
Romiley	Miss E. Whaite	9, Windsor Grove, Romiley, Stockport	Marple Runcorn Runcorn
Runcorn	Miss E. M. Grice	40, Norman Road, Runcorn	
	Miss P. Noon	73, Oxford Road, Runcorn	
	Mrs. P. Farrell	134, Heath Road South, Weston, Runcorn	Runcorn
	Mrs. M. Woods	14, St. Mary's Road, Halton, Runcorn	Runcorn Runcorn
	Miss N. A. I. Turner	60, Roland Avenue, Runcorn	

COUNTY MIDWIVES—contd.

istrict	Name	Address	Telephone	
e	Mrs. P. Ryder	104, Hoylake Road, Sale	Pyramid	1724
	Mrs. F. L. Harrison	70, Chapel Road, Sale, Cheshire	Sale	5197
		32, Alexander Drive,		
	Mrs. K. James	Timperley, Altrincham	Ringway	6101
		54, Gladstone Road, Altrincham	Altrincham	5606
dbach	Miss M. Beatty	5, Coronation Crescent,		
		Sandbach	Sandbach	2731
ybridge	Miss H. Sowerbutts	572, Huddersfield Road,		
		Heyheads, Stalybridge	Mossley	2268
	Mrs. J. Evans	Berridale Spring Street,		
		Hollingworth, Hyde	Mottram	2488
	Mrs. J.	69, Darnton Road,		
	Leatherbarrow	Ashton-u-Lyne	Ashton	4314
ekton	Mrs. J. M. Arthur	37, West Avenue, Stockton		
Heath		Heath, Warrington	Warrington	61674
on and	Miss C. Brierley	Greystones, Quarry Lane,		
icars		Christleton, Chester	Chester	35942
Cross	Miss I. B. Jones	85, Upton Drive, Liverpool		
		Road, Chester	Chester	21097
	Mrs. D. M. Ward	3, Clarence Avenue, Green		
		Lane, Vicars Cross, Chester	Chester	28589
verham		49, Wallerscote Road,		
		Weaverham, Northwich	Weaverham	2116
nslow	Miss F. Marsden	1, Prescott Road, Lacey Green		
		Estate, Wilmslow, Cheshire	Wilmslow	25577
	Mrs. E. E. Riches	13, Mayfield Grove, Wilmslow	Wilmslow	27868
	Miss B. Cockerill	1, Dean Terrace, Kingstreet,		
		Woodford, Bramhall	Wilmslow	22273

-time Midwives

Name	Address	Telephone	
Mrs. S. Brown	114, Wolverham Road, Whitby,	Ellesmere Port	1763
	Ellesmere Port		
Mrs. S. M. Clarke	28, Conway Road, Cheadle		
	Hulme		061—485 5914
Mrs. V. E. Carson	Dormy, 40, Wilkinson Street,		
	Ellesmere Port	Ellesmere Port	3146
Mrs. C. H. Doody	Norwood, Blakelow Road,		
	Macclesfield	Macclesfield	5217
Miss I. Johnson	22, Abington Road, Sale	Sale	9330
Mrs. E. McCann	8, Queen's Drive, Cheadle		
	Hulme	Hulme Hall	4577
Mrs. M. L.	81, Nursery Road, Heaton		
MacCarron	Norris, Stockport		061—432 9833
Mrs. J. Oates	102, Chester Road, Whitby,		
	Ellesmere Port	Ellesmere Port	1919
Miss C. Turner	29, Shirley Avenue, Marple,		
	Stockport	Marple	1583
Mrs. A. Watson	18, Surrey Road, Gawsorth,		
	Macclesfield	Macclesfield	4455

MENTAL WELFARE OFFICERS

District	Area	Office Address	Area Mental Welfare Officer	Mental Welfare Officers	
No. 1 Wirral	BEBINGTON M.B. HOYLAKES U.D. WIRRAL U.D. NESTON U.D.	218, Bebington Road, Bebington Telephone:—Rock Ferry 4243/4	Mr. E. M. Harborow, The Allports, Allport Road, Bromborough Telephone:—Bromborough 1620	Mrs. C. Ledsome, 21, Latchford Road, Gayton Heswall Telephone:—Heswall 2011 Mr. A. J. Hotchkiss, 20, Thorpe Bank, Rock Ferry, Birkenhead Telephone:—Rock Ferry 5919	Mr. K. V. Williams, 32, Henley Road, Neston Telephone:—Neston 4622 Mr. D. T. Rattray, 26, Rothesay Drive, Eastham Telephone:—Eastham 2169 Miss M. Anderson, 40, Escolme Drive, Greasby, Wirral Telephone:—Arrowbrook 7539
No. 2 West Cheshire	ELLESMERE PORT M.B. CHESTER R.D. TARVIN R.D.	St. Martin's House, Princess Street, Chester Telephone:—Chester 27161 Chester 23095 Chester 23098	Mr. H. Q. Dowland, 3, Upton Drive, The Bache, Chester Telephone:—Chester 20091	Mr. W. J. A. Stratton, 16, Whitefields, Elton Telephone:— Thornton-le-Moors 368 Mr. D. J. Evans, 45, Hillfield Road, Little Sutton Tel:—Hooton 2700	Mr. M. Ashmore, 1, Woodlands Avenue, Parkgate Road, Chester Telephone:—Chester 20665 Mr. G. P. Davies, 15, Imperial Avenue, Blacon, Chester Telephone:—Chester 29334 Miss Weller, The Limes, Hoole Road, Hoole, Chester
No. 3 Runcorn and Lymm	RUNCORN U.D. RUNCORN R.D. LYMM U.D.	Clinic Centre, 36, Halton Road, Runcorn Telephone:—Runcorn 2449	Mr. H. Holden, 79, Victoria Road, Runcorn Telephone:—Runcorn 3747	Mr. A. Braddock, 16, Riley Drive, Runcorn Telephone:—Runcorn 4127 Mrs. E. Gatley, 28, Cherry Tree Avenue, Runcorn Telephone:—Runcorn 2590	Mr. M. Hughes, 7, Stanley Villas, Greenway Road, Runcorn Telephone:—Runcorn 5450 Miss M. Johnson, 27, Victoria Road, Stockton Heath, Warrington
No. 4 Mid. Cheshire	NORTHWICH U.D. WINSFORD U.D. MIDDLEWICH U.D. NORTHWICH R.D.	Brunner Guildhall, High Street, Winsford Telephone:—Winsford 3346	Mr. G. E. H. Howard, 2, Dove Place, Wharton, Winsford Telephone:—Winsford 3832	Mr. B. J. Moules, 20, Boundary Lane, Sandiway Telephone:—Sandiway 3317 Mr. B. Hewitt, 18, Water Street, Northwich Telephone:—Northwich 3848	Miss P. M. Jones, 92, Townfield Lane, Barnton, Northwich Telephone:—Northwich 5457 Mr. J. H. Davies, 48, Delamere Street, Winsford
No. 5 Crewe and Nantwich	CREWE M.B. NANTWICH U.D. NANTWICH R.D. ALSAGER U.D. SANDBACH U.D.	201, Edleston Road, Crewe Telephone:—Crewe 2478 Crewe 2270	Mr. R. E. Broach, 180, Crewe Road, Alsager Telephone:—Alsager 2174	Miss A. Unsworth, Flat 1, Hankelow Hall, Hankelow, Audlem, Nr. Crewe Telephone:—Audlem 378 Mrs. P. M. Tomkins, Sequoia, Worleston, Nantwich Telephone:—Nantwich 64403	Mr. M. P. Hennessey, 6, Kingsway, Crewe Telephone:—Crewe 55638 Mr. C. Brunt, c/o. 141, Stewart Street, Crewe Telephone:—Crewe 56103 Mr. W. Day, 81, Crewe Road, Alsager Telephone:—Alsager 2894
No. 6 Altrincham, Sale and Knutsford	ALTRINCHAM M.B. SALE M.B. BOWDON U.D. HALE U.D. KNUTSFORD U.D. BUCKLOW R.D.	59, Washway Road, Sale Telephone:—Sale 2305 Pyramid 2951	Mr. J. Thompson, 23, Manor Avenue, Ashton-on- Mersey, Sale Telephone:—Sale 5582	Mr. R. E. Hopkinson, 4, Hargreaves Road, Timperley Telephone:—Ringway 4775 Mrs. A. E. Perry, 30, Westwood Avenue, Timperley, Altrincham Telephone:—Sale 3222 Mr. N. G. Power, 4, Bloomsbury Lane, Timperley, Altrincham Telephone:—061—980 4951	Mr. P. Thomas, Flat 2, 41, Park Road, Timperley, Altrincham Telephone:—061—973 0781 Mr. G. V. Ashton, 53, Brook Lane, Timperley Telephone:—061—928 1757
No. 7 Macclesfield and Congleton	MACCLESFIELD M.B. MACCLESFIELD R.D. CONGLETON M.B. CONGLETON R.D. BOLLINGTON U.D.	33, Great King Street, Macclesfield Telephone:—Macclesfield 6030 Macclesfield 5667	Mr. R. Ashton, 58, Brookside Avenue, Poynton, Cheshire Telephone:—Poynton 4425	Mr. G. D. Brown, 76, Bailey Crescent, Buglawton, Congleton Telephone:—Congleton 2329 Miss P. Carr Mr. E. Hambleton, 72, Bailey Crescent, Congleton Telephone:—Congleton 3705	Miss M. Lea, 2, Pyehouse Cottages, Hollin Lane, Sutton Lane, Macclesfield Telephone:—Sutton 563 Mr. G. B. Howarth, 26, Kenilworth Road, Macclesfield
No. 8 North-East Cheshire	CHEADLE & GATLEY U.D. HAZEL GROVE & BRAMHALL U.D. MARPLE U.D. WILMSLOW U.D. ALDERLEY EDGE U.D. DISLEY R.D.	Clinic Centre, 253, London Road, Hazel Grove Telephone:—Stepping Hill 3842	Mr. E. S. Hughes, 34, Adelaide Road, Bramhall, Cheshire. Telephone:—Bramhall 7195	Mr. Brian Bowles, 28, Brooke Drive, Handforth, Wilmslow Telephone:—Wilmslow 28257 Mrs. C. J. A. Metcalfe 32, Bradgate Avenue, Cheadle, Cheshire	Mr. M. G. Smith, 24, Queens Drive, Heaton Mersey, Stockport Telephone:—061—432 8227 Mrs. B. Adshead, 25, Ashfield Road, Davenport, Stockport Telephone:—Stepping Hill 6324
No. 9 Stalybridge, Hyde and Dukinfield	STALYBRIDGE M.B. HYDE M.B. DUKINFIELD M.B. LONGDENDALE U.D. BREDBURY & ROMILEY U.D. TINTWISTLE R.D.	Clinic Centre, Stamford Street, Stalybridge Telephone:—Stalybridge 2278	Mr. G. E. Lanceley, 17, Buckley Drive, Bredbury Green, Romiley Telephone:—Woodley 2329	Mrs. D. Kinsella, 28, Queen Street, Hadfield Telephone:—Glossop 3773 Mr. E. Unsworth, 34, Harridge Avenue, Stalybridge Telephone:—Stalybridge 3495	Mr. D. J. Dilworth, 28, The Rushes, Hadfield, Hyde Telephone:—Glossop 3915 Mr. L. E. Dowson, 7, Ennerdale Terrace, Ridge Hill Estate, Stalybridge Telephone:—061—338 3071

CEREBRAL PALSY TEAM

<i>Physiotherapist</i>	...	...	...	Elizabeth Roylance
<i>Occupational Therapist</i>	...	...	...	Roberta Woodward

CHILD GUIDANCE SERVICE

<i>Child Psychiatrists</i> (part-time)	...	...	...	J. Erulkar, M.B., B.S., D.C.H., M.R.C.P., D.P.M. Maria Rogers, M.B., CH.B., B.A.O., D.P.M. D. M. Zausmer, B.S.C., M.B., B.S., D.P.M.
<i>Psychologists</i>	...	...	...	P. N. Forshaw, B.A. Miriam Lee, B.S.C. (part-time) Elizabeth Long, B.A. J. Walker, B.A.
<i>Psychological Social Workers</i>	...	...	...	Margaret Brierley (part-time) Ellen Howitt Phyllis Redfarn Mildred Townsend

PERIPATETIC TEACHERS OF THE DEAF

P. R. Buckingham	Ruth Martin
T. A. Harrison	D. L. Perry

SPEECH THERAPISTS

Mary Cooper	Kathleen Jones (part-time)
Rayleen Eaton	Joan Wren
Judith Cowley	Christine Bell
Melba Loynes	Patricia Wight

DOMESTIC HELP SUPERVISORS

<i>Division</i>	<i>Supervisor</i>
Altrincham	Nora Mawby Marjorie Taylor (part-time)
Bebington	Jean Bryne
Cheadle and Wilmslow	Margaret Francis Marjorie Wolstencroft (part-time)
Crewe	Joan Clarke
Deeside	Bernice McQuirk
Hyde	Florence Partridge
Macclesfield	Joan Cheetham
Mid-Cheshire	Kathleen Pointon Estella Bown (part-time)
Nantwich	Sylvia Kendrick
N.E. Cheshire	Ada Sutton Patricia Atkinson (part-time)
Runcorn	Dorothy Shepherd Hilda Walker (part-time)
Sale and Lymm	Marjorie Hooley
S.E. Cheshire	Joyce Clayton-Barker Lucy Alimundo (part-time)
S.W. Cheshire	Dorothy Fellowes Irene Williams
Stalybridge and Dukinfield	Kathleen Sellars

DAY NURSERIES

Altrincham M.B.	1, Gaskell Road (Tel. Altrincham 3621) <i>Matron</i> —Mrs. W. Helliwell
Bebington M.B.	The Bradmoor, Bromborough (Tel. Bromborough 1381) <i>Matron</i> —Mrs. W. I. Boulton
Congleton M.B.	Bradshaw House, Lawton Street (Tel. Congleton 3282) <i>Matron</i> —Mrs. M. Moores
Dukinfield M.B.	Dewsnap Lane (Tel. Ashton-u-Lyne 3136) <i>Matron</i> —Mrs. C. J. Bell
Ellesmere Port M.B.	Stanney Lane, Ellesmere Port (Tel. E. Port 1500) <i>Matron</i> —Mrs. R. F. Chroston
Macclesfield M.B.	South Park, Poplar Road (Tel. Macclesfield 3751) <i>Matron</i> —Mrs. M. Mallinson 1, Glegg Street (Tel. Macclesfield 2813) <i>Matron</i> —Mrs. E. Roberts Nicholson Avenue, Hurdsfield (Tel. Macclesfield 4225) <i>Matron</i> —Mrs. A. C. Aspden
Sale M.B.	Harley Road (Tel. Sale 4627) <i>Matron</i> —Mrs. C. M. de Patoul
Bollington U.D.	Buntings Field, Wellington Road (Tel. Bollington 3294) <i>Matron</i> —Mrs. C. A. Allen
Bredbury and Romiley U.D.	Highfield Park Road, Bredbury (Tel. Woodley 2817) <i>Matron</i> —Mrs. J. Phillips
Hazel Grove and Bramhall U.D.	Queen's Road, Hazel Grove (Tel. Stepping Hill 3842) <i>Matron</i> —Mrs. M. G. Bailey
Runcorn U.D.	Okell Street (Tel. Runcorn 2461) <i>Matron</i> —Mrs. M. Jones

WRENBURY HALL TUBERCULOSIS REHABILITATION CENTRE

Warden and Manager—L. T. Burton (Tel. Aston (Nantwich) 313)

MOTHER AND BABY HOME

Prospect House, 7, Trinity Road, Hoylake (Tel. Hoylake 1054)
Matron—Mrs. E. Mann

JUNIOR TRAINING CENTRES

Altrincham	Navigation Road (Tel. Altrincham 4977) <i>Supervisor</i> —Mrs. E. E. Davenport
Bebington	Calveley Avenue, Mill Park Drive, Eastham (Tel. Eastham 2270) <i>Supervisor</i> —Mrs. M. Sutton
Crewe	Macon Way, Crewe Road (Tel. Crewe 2446) <i>Supervisor</i> —Mrs. M. Hayes
Hyde	Grange Road (Tel. Hyde 1718) <i>Supervisor</i> —Mrs. J. Tomkinson
Macclesfield	Park Lane (Tel. Macclesfield 3407) <i>Supervisor</i> —Mrs. M. Cheadle
Northwich	David Street (Tel. Northwich 4398) <i>Supervisor</i> —Mrs. F. O. Moore

ADULT TRAINING CENTRES

Altrincham	Albert Place, Dunham Road (Tel. Altrincham 6755) <i>Superintendent</i> —E. S. Farrington
Crewe	Macon Way, Crewe Road (Tel. Crewe 2452) <i>Superintendent</i> —E. Threlfall
Ellesmere Port	Coronation Road (Tel. Ellesmere Port 1512) <i>Superintendent</i> —J. H. Heath
Hyde	Grange Road (Tel. Hyde 1730) <i>Superintendent</i> —L. S. C. Thorpe
Macclesfield	Park Lane (Tel. Macclesfield 6344) <i>Superintendent</i> —W. Lowe
Northwich	David Street (Tel. Northwich 5100) <i>Superintendent</i> —H. Boocock

CENTRAL OFFICE

Pepper House, Pepper Row, Chester (Tel. Chester 24678)

REPORT OF THE County Medical Officer of Health

For the Year ended 31st December, 1966

SECTION 1—AREA AND POPULATION

1. AREA

The acreage of the County at the end of 1966 was 621,831 acres.

2. POPULATION

The population of the Administrative County, as constituted 1st April, 1966 and enumerated at the Census of 1961, was 920,974. The estimate of the Registrar-General for mid-1966 was 1,023,860.

3. RATEABLE VALUE

The rateable value of the Administrative County of Cheshire for General County Rate purposes at 1st April, 1966, was £41,114,367. A penny rate over the whole County for 1966-67 represented the sum of £170,569 (estimated).

4. HEALTH SERVICES PREMISES

The undermentioned major works were commenced or completed in the above year, and many minor adaptations and improvements were carried out at various buildings. The normal programme of maintenance work has continued.

(a) Buildings completed during the year:

Hyde Clinic Centre and Divisional Offices.

Great Sutton Clinic Centre.

Hattersley Clinic Centre.

Hollingworth Clinic Centre.

Macclesfield, Adult M.S.N. Hostel.

Sale Moor Clinic Centre.

Winsford Wharton Clinic Centre.

(b) Buildings in course of erection during the year:

Northwich, Clinic Centre and Divisional Offices.

Hattersley, Group Practice Building.

SECTION II—BIRTHS AND DEATHS

The figures are for the Administrative County, 1966, unless otherwise stated.

1. LIVE BIRTHS AND STILLBIRTHS

(a) Live Births

			Total	Male	Female
Legitimate	...	...	17252	8941	8311
Illegitimate	...	...	934	477	457
			<hr/>	<hr/>	<hr/>
			18186	9418	8768

Birth Rate per 1,000 of the estimated resident population, 17.8.

Illegitimate Live Births were 5.1 per cent. of the total live births.

(b) Stillbirths

			Total	Male	Female
Legitimate	...	...	250	126	124
Illegitimate	...	...	20	9	11
			<hr/>	<hr/>	<hr/>
			270	135	135

Stillbirths Rate per 1,000 total (live and still) births, 14.6.

Total—Live and Stillbirths, 18,456.

2. DEATHS

(a) Deaths

			Total	Male	Female
Deaths	...	...	11915	5973	5942

Death Rate per 1,000 of population, 11.6.

(b) Infantile Mortality

			Under 1 year	Under 4 weeks	Under 1 week
Deaths of Infants	...	...	313	212	188
Legitimate	...	...	292	197	174
Illegitimate	...	...	21	15	14
All Infants per 1,000 live births	...	...	17.2	11.7	10.3
Legitimate Infants per 1,000 legitimate live births	...	...	16.9	11.4	10.1
Illegitimate Infants per 1,000 illegitimate live births	...	...	22.5	16.1	15.0

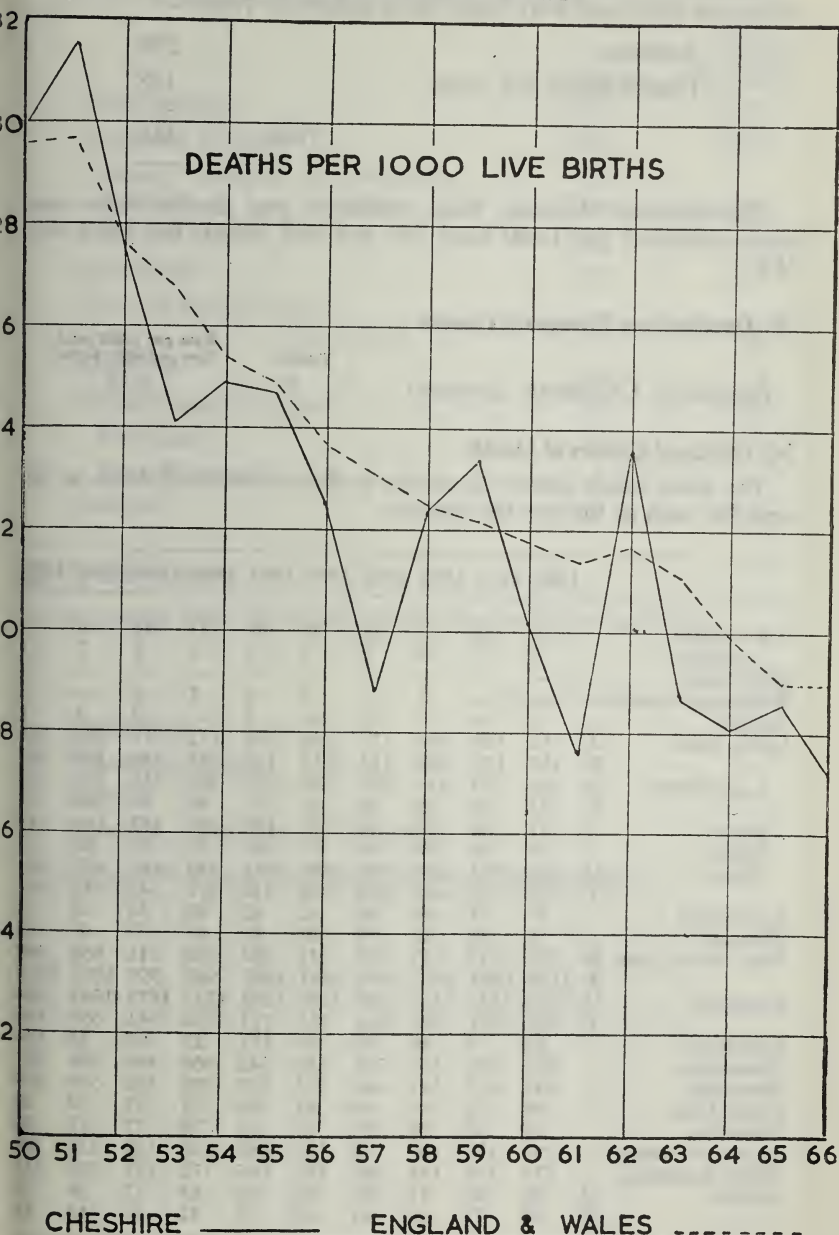
Of the 313 deaths of infants under one year of age, 55 deaths occurred at home and 258 deaths in hospitals or nursing homes. The

causes of death, using the Registrar General's Classification, were as follows:—

Pneumonia	...	...	...	...	...	36
Bronchitis	...	...	...	...	...	7
Congenital Malformations	...	...	...	...	...	68
Accidents	...	...	...	...	...	18
Other causes	...	...	...	...	...	184

The rates for deaths under one year per 1,000 live births in recent years are shown in the following diagram:—

INFANTILE MORTALITY



(c) Perinatal Deaths

Perinatal deaths are the total of stillbirths and deaths of infants under one week, and were made up as follows in 1966:—

Stillbirths	...	...	...	...	270
Deaths under one week	...	...	...	...	188
Total ...					458

The Perinatal Mortality Rate (stillbirths and deaths under one week combined per 1,000 total live and still births) for 1966 was 24.8.

(d) Deaths from Puerperal Causes

	Deaths	Rate per 1,000 total (live and still) births
Pregnancy, Childbirth, Abortion	7	0.38

(e) Principal Causes of Death

The table below shows the trends in the causation of death at all ages for each of the last ten years:—

		1966	1965	1964	1963	1962	1961	1960	1959	1958	1957
T.B.—Resp.	...	26	28	33	33	40	44	37	54	59	72
Other	...	3	7	4	2	3	3	7	3	7	11
Diphtheria	...	—	—	—	—	—	—	—	—	—	—
Whooping Cough	...	—	—	1	—	2	1	1	1	—	3
Measles	...	3	—	—	5	—	2	—	2	1	1
Malig. Stom.	M	154	146	147	177	158	175	172	177	168	166
	F	117	137	109	114	114	110	145	144	133	129
Lung Bronc.	M	406	393	416	382	349	350	300	311	337	310
	F	92	70	66	59	57	57	60	52	49	49
Breast	...	213	208	199	214	189	198	167	167	160	149
Uterus	...	79	85	99	95	87	84	91	67	80	77
Others	M	530	523	458	509	480	441	442	462	457	465
	F	502	512	444	454	439	419	476	445	433	407
Leukaemia	...	47	51	62	60	42	42	40	44	42	28
Diabetes	...	77	59	80	79	88	81	65	57	67	43
Vasc. Nerv. Syst.	M	778	713	733	752	712	684	639	711	658	648
	F	1126	1081	1010	1079	1081	1097	969	995	1071	1017
Coronary	M	1500	1544	1424	1339	1285	1261	1233	1075	1043	964
	F	980	971	881	861	851	771	786	641	656	596
Influenza	...	82	5	16	52	86	171	27	90	45	134
Pneumonia	...	671	576	577	701	648	542	466	440	398	385
Bronchitis	...	633	611	561	664	632	539	498	493	559	459
Peptic Ulcer	...	66	73	63	64	81	86	81	91	74	88
Nephritis	...	56	56	64	70	75	60	74	77	77	90
Motor Accidents	...	191	179	160	166	123	168	140	119	124	108
Other Accidents	...	174	154	184	194	188	186	172	191	200	215
Suicide	M	45	48	51	59	65	69	45	52	58	58
	F	44	37	40	43	49	48	42	37	48	51

(f) Death Rates

The death rates for the main diseases during 1966 were as follows:

	No. of Deaths	Rate per million population
Heart Disease	3762	3674
Malignant Diseases	2093	2044
Vascular lesions of nervous system	1904	1860
Bronchitis	633	618
Pneumonia	671	655
Ulcer of Stomach and Duodenum	66	64
Nephritis	56	55
Tuberculosis (all forms)	29	28
Pulmonary	26	25
Non-Pulmonary	3	3
Diabetes	77	75

(g) Zymotic Deaths

The deaths from the chief zymotic diseases were as follows:

	No. of Deaths	Rate per million population
Diphtheria	—	—
Whooping Cough	—	—
Measles	3	3
Gastritis, Diarrhoea & Enteritis	42	41

The zymotic Death Rate was 0.04 per 1,000 population.

Comparison of various rates with previous years

Comparison of various rates with previous years													
1966		1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1950	1940
Births	18186	Birth Rate (per 1,000 population)	17.8	18.1	18.6	18.3	18.0	17.4	17.1	15.9	15.6	14.8	14.3
Illegitimate Live Births	934	Illegitimate Births as percentage of total Live Births	5.1	4.6	4.4	3.7	4.2	3.6	3.4	3.2	3.2	3.7	3.5
Stillbirths	270	Stillbirth Rate (per 1,000 Live and Still Births)	14.6	16.3	15.0	18.1	17.5	19.7	19.3	22.5	22.8	24.9	42.3
Deaths	11915	Death Rate (per 1,000 population)	11.6	11.4	11.3	12.0	12.1	12.2	11.6	12.0	12.1	11.9	12.9
Deaths of Infants under one year	313	Infantile Mortality Rate	17.2	18.6	18.1	18.7	23.6	17.6	20.1	23.4	22.4	18.8	54.1
Deaths of Infants under four weeks	212	Neo-natal Mortality Rate	11.7	13.1	12.6	12.3	14.6	12.9	14.5	17.3	16.1	12.5	N.A.
Deaths of Infants under one week	188	Deaths of Infants under 1 week to 1,000 live births	10.3	11.1	11.0	10.6	12.1	10.8	12.5	14.8	—	not available	—
Perinatal Deaths (Stillbirths and deaths under one week)	458	Perinatal Death Rate	24.8	27.3	25.9	28.6	29.4	30.3	31.6	36.1	—	not available	—
Maternal Deaths	7	Maternal Mortality Rate	0.38	0.32	0.22	0.28	0.58	0.18	0.38	0.28	0.14	0.51	2.3

SECTION III—VACCINATION AND IMMUNISATION

Under Section 26 of the National Health Service Act, 1946, the County Council has the duty of making available a service of vaccination against smallpox and of immunisation against diphtheria; the organisation and management of the scheme has been devolved upon the Divisional Health Committees. Immunisation is also provided against whooping cough and tetanus. Immunisation is, in practice, meant for children, with particular attention to those in infancy, with reinforcing doses on school entry, but vaccination may on occasion be sought by persons of any age.

The County scheme was further extended in March, 1956, to include vaccination or immunisation against any other disease authorised by the Minister of Health. Approval was given by the Minister to the vaccination of children against poliomyelitis.

When vaccination of children against poliomyelitis started in 1956 only children in the 1947—54 age group were registered for vaccination, but in May, 1957, the registration of children born in 1955 and 1956 was permitted. Further extensions of the scheme have been made from time to time and now all persons under 40 years of age are approved for vaccination.

Arrangements made under the Council's scheme include participation by general practitioners and sessions at clinics. Table Three at the end of this section sets out the details of the notifications received of completed courses of immunisation and vaccination of children below 16 years of age for which payment is made by the County Council.

Computer Appointments System

Throughout 1966 discussions took place with the County Treasurer's department to produce an appointments system for vaccination and immunisation using the computer, and this was finally settled in November. The system started to operate in clinics in S.W. Cheshire Division and for two general practitioners in the same division. After twelve months' experience a full report will be able to be made in the report for 1967.

1. SMALLPOX VACCINATION

During the year 1966, the number of persons vaccinated was as follows:—

					Vaccinated	Re-Vaccinated
0—3 months	...	...	...	...	293	1
3—6 months	...	...	...	...	721	—
6—9 months	...	...	...	...	386	1
9—12 months	...	...	...	...	600	1
Age 1 year	...	...	...	...	3862	77
Age 2—4 years	...	...	...	...	3270	169
Age 5—15 years	...	...	...	...	1358	1086
TOTAL	...	...	...	...	10490	1335

2. DIPHTHERIA, WHOOPING COUGH, TETANUS AND POLIOMYELITIS

The following tables show the numbers of children under 16 years of age, immunised or vaccinated against the above diseases during 1966, and whether the treatments were given at clinics arranged by the divisional medical officers or by general practitioners.

Table 1—Completed Primary Courses—Number of persons under age 16

Type of Vaccine or Dose				Year of Birth					Others under age 16
				1966	1965	1964	1963	1959—62	
1.	Quadruple D.T.P.P.	...	...	54	173	23	11	14	3
2.	Triple D.T.P.	...	...	5425	7923	1246	346	688	124
3.	Diphtheria/Pertussis	...	...	—	—	—	—	1	—
4.	Diphtheria/Tetanus	...	...	67	83	32	17	284	222
5.	Diphtheria	...	...	—	4	2	2	118	22
6.	Pertussis	...	...	—	—	—	—	—	—
7.	Tetanus	...	...	1	3	5	1	117	1181
8.	Salk	...	...	24	26	17	1	7	2
9.	Sabin	...	...	4307	9548	1571	725	1720	1309
10.	Lines 1+2+3+4+5								
	(Diphtheria)			5546	8183	1303	376	1105	371
11.	Lines 1+2+3+6								
	(Whooping Cough)			5479	8096	1269	357	703	127
12.	Lines 1+2+4+7 (Tetanus)	...	...	5547	8182	1306	375	1103	1530
13.	Lines 1+8+9 (Polio)	...	...	4385	9747	1611	737	1741	1314

Table 2—Reinforcing Doses—Number of persons under age 16

Type of Vaccine or Dose				Year of Birth					Others under age 16
				1966	1965	1964	1963	1959—62	
1.	Quadruple D.T.P.P.	...	...	—	13	66	10	21	1
2.	Triple D.T.P.	...	...	27	502	1279	362	2604	400
3.	Diphtheria/Pertussis	...	...	—	—	1	—	3	7
4.	Diphtheria/Tetanus	...	...	—	28	364	565	6201	2925
5.	Diphtheria	...	...	—	—	10	6	1553	210
6.	Pertussis	...	...	—	—	—	—	1	—
7.	Tetanus	...	...	—	—	3	4	90	186
8.	Salk	...	...	—	43	17	5	6	—
9.	Sabin	...	...	22	293	623	503	6435	3600
10.	Lines 1+2+3+4+5								
	(Diphtheria)			27	543	1720	943	10382	3543
11.	Lines 1+2+3+6								
	(Whooping Cough)			27	515	1346	372	2629	408
12.	Lines 1+2+4+7 (Tetanus)			27	543	1712	941	8916	3512
13.	Lines 1+8+9 (Polio)			22	349	706	518	6462	3601

e 3—Completed Primary Courses of Vaccination

			Quadruple D.T.P.P.	Triple D.T.P.	Diphtheria Tetanus	Diphtheria only	Tetanus only	Poliomyelitis
BRINCHAM	...	C.	—	628	58	—	2	1211
		P.D.	—	679	8	—	4	707
NGTON	...	C.	—	353	7	—	5	542
		P.D.	—	393	1	—	4	397
ADLE & WILMSLOW		C.	—	863	—	—	—	1176
		P.D.	17	825	—	—	2	680
WE ...	...	C.	—	—	—	—	—	—
		P.D.	14	641	14	—	2	824
SIDE	...	C.	—	155	59	6	—	192
		P.D.	18	959	9	1	55	1004
E ...	...	C.	—	403	—	—	—	479
		P.D.	65	87	3	—	4	83
CLESFIELD	...	C.	—	497	27	—	—	574
		P.D.	—	352	—	—	40	439
-CHESHIRE	...	C.	—	136	285	6	957	525
		P.D.	—	947	18	3	87	1034
TWICH	...	C.	—	—	—	—	7	12
		P.D.	123	485	7	—	28	433
CHESHIRE	...	C.	—	553	56	104	2	841
		P.D.	18	1284	43	—	23	1874
CORN	...	C.	—	380	3	—	20	468
		P.D.	9	801	5	—	43	861
E & LYMM	...	C.	—	320	69	—	—	462
		P.D.	—	532	4	—	6	560
CHESHIRE	...	C.	—	594	8	—	—	702
		P.D.	—	621	9	1	6	773
CHESHIRE	...	C.	—	808	2	8	—	804
		P.D.	—	1036	7	18	9	1142
LYBRIDGE & DUKINFIELD		C.	—	311	3	—	—	321
		P.D.	14	109	—	1	2	139
TOTALS		C.	—	6001	577	124	993	8309
		P.D.	278	9751	128	24	315	10948

C.—At County Clinics.

P.D.—By Private Doctors.

3. MID-YEAR CHILD POPULATION

The estimated mid-year child population for the year 1966 was:—

Under 1 year	...	...	...	17900
1—4 years	...	...	...	75000
5—15 years	...	...	...	155500
Total under 15 years	...	...	...	248400

SECTION IV—AMBULANCE SERVICE

In discharging its duties under Section 27 of the National Health Service Act, 1946, the County Ambulance Service must be equipped to deal with ever-increasing demands made upon it. From the statistics it will be seen that 362,069 people were provided, free of charge, with ambulance transport during the last financial year. This figure represents an increase of 20,000 patients over the previous year.

During the year 19,660 accident and emergency cases were dealt with, of varying complexity, and the following breakdown of this total is given, viz.:—

Road Accidents—Fatal 135; Injured 5,053.

Home Accidents—Fatal 11; Injured 2,456.

Industrial Accidents—Fatal 15; Injured 773.

Other Emergencies, including maternity cases—11,217.

Subsequent deaths, from Road Accidents, of injured patients, numbered 94.

Throughout the year, the staff of the Cheshire Ambulance Service, and some members of 14 other County and County Borough Ambulance Services, were brought to the Ambulance Training School to receive further training, in the most up-to-date techniques of ambulance aid, and the handling of seriously injured patients. Training of Cheshire Ambulance personnel has continued in hospital casualty departments, for the further increase of men's confidence and efficiency in this work which is of paramount importance—indeed this is the first expert medical aid which an injured person will receive. This training is put to immediate test in dealing with day-to-day accidents and injury, and also in examination under competition conditions. Again in 1966, as in previous years, a very successful inter-station competition was staged at Knutsford on 21st May, 1966. The winners, Northwich Ambulance Station, went on to win the Regional Ambulance Services Competition trophy, and to distinguish themselves in the National Finals.

I should like to place on record the thanks and appreciation of the Ambulance Service, of the encouragement and constant support received from the Members and Senior Officers of the Cheshire County Council.

Staff at 31st March, 1967:—

Control Staff (Officers)	...	...	...	...	16
Supervisory (Officers)	...	...	...	...	32
Mechanics	...	...	...	...	6
Driver/Attendants	...	...	...	...	227
(plus 16 part-time retained staff)					
Others	...	...	...	...	7

The following schedule shows the work done by the service for the financial year 1966—67

ITEM (1)	Directly Provided Service (2) Amb. & S.C.A.	Supplementary Service (including Hosp. Car Service) (3) S.C.C.	Transport by Rail (4)
1. No. of persons carried (excluding relatives, escorts and friends).			
(a) Section 27 patients:			
(i) Accident or Emergency ...	19660	—	—
(ii) Others ...	311022	8485	311
(iii) Total of (i) and (ii) ...	330682	8485	311
(b) Other persons, e.g. persons taken to day nurseries, welfare institutions, training centres, L.H.A. clinics, special schools, etc.	31387	—	—
(c) Grand total i.e. (a) (iii) and (b) ...	362069	8485	311
2. No. of journeys by vehicles:			
(a) Patient-carrying journeys ...	58079	2897	311
(b) Abortive and service journeys ...	2213	—	—
(c) Journeys for transport of analgesia apparatus, midwives, home nurses, etc. ...	273	—	—
(d) Total of (a) (b) and (c) ...	60565	2897	311
3. Total mileage (inc. that in respect of 1 (b) ...	2025600	65720	77750
Acreage of service area ...	600,917	No. of ambulance stations ...	20
Population of service area ...	986,420	No. of ambulances ...	55
		No. of special handicapped persons' vehicles ...	5
		No. of dual purpose vehicles ...	48

SECTION V—PREVENTION OF ILLNESS, CARE AND AFTER-CARE

1. GENERAL

Section 28 of the National Health Service Act, 1946, gives permissive powers to the County Council to make a scheme for prevention of illness, and for the care and after-care of persons suffering from illness. The County Council has a duty to make detailed arrangements for any disease the Ministry may specify, and in this connexion tuberculosis has been so specified.

The arrangements under this section of the Act are among those which for organisation and management, within the approved estimates, have been devolved to Divisional Health Committees.

2. TUBERCULOSIS

(a) Home Care

Consultant Chest Physicians give Divisional Medical Officers all necessary advice in the sphere of care and after-care; Health Visitors pay home visits to tuberculosis patients and help to secure the attendance of contacts at the clinics. The loan of items for nursing at home forms part of the general scheme for the provision of nursing equipment, of which details are given later.

(b) Wrenbury Hall

Wrenbury Hall Industrial Training Colony continued under the full ownership and control of the County Council. No trainee was admitted in 1966 for industrial rehabilitation. At the end of the year there were nine colonists living in the hostel, and two married colonists living with their families in cottages on the estate. Two colonists were living outside the estate.

(c) Tuberculosis Statistics

The following tables will enable a comparison to be made between 1966 and previous years in respect of the incidence of, and mortality due to, tuberculosis.

	1966	1965	1964
New cases notified (primary)			
Pulmonary	137	150	195
New cases notified (primary)			
Non-pulmonary	19	21	38
Total ...	<u>156</u>	<u>171</u>	<u>233</u>
No. of cases remaining on Registers of Notifications kept by District M.O.'s.H., 31st December, 1966 ...	4172	4292	4496
No. of Deaths from all forms of Tuberculosis	29	35	37
Death-rate from all forms of Tuberculosis per 1,000 of the population	0.03	0.03	0.04

TUBERCULOSIS IN CHILDREN UNDER 16

Year	Number of Children notified as suffering from Pulmonary Tuberculosis	Number of Children notified as suffering from Non- Pulmonary Tuberculosis	Percentage of Total Notifications	
			Pulmonary	Non- Pulmonary
1957	18	26	4.8	42.6
1958	17	15	5.5	34.9
1959	13	8	5.6	30.8
1960	11	12	5.2	35.3
1961	33	13	14.2	37.1
1962	33	10	14.1	30.3
1963	22	4	12.3	16.0
1964	11	7	5.7	20.0
1965	7	4	4.6	19.0
1966	12	3	8.73	15.7

PRIMARY NOTIFICATIONS AND DEATHS FROM TUBERCULOSIS

Year	Primary Notifications	Deaths	Death rate per 1,000 population
1947	655	296	.38
1948	601	279	.35
1949	565	266	.33
1950	582	195	.24
1951	546	181	.22
1952	568	146	.18
1953	514	104	.12
1954	458	113	.13
1955	505	90	.11
1956	460	106	.12
1957	435	83	.10
1958	351	66	.08
1959	256	57	.06
1960	244	44	.05
1961	267	47	.05
1962	267	43	.05
1963	204	35	.04
1964	233	37	.04
1965	171	35	.03
1966	156	29	.03

The 1966 deaths are made up as follows:—

	Male	Female	Total
Pulmonary	20	6	26
Non-Pulmonary	1	2	3
	<hr/> 21	<hr/> 8	<hr/> 29

Death Rates, 1966:—

All forms	·028 per 1,000 population
Pulmonary	·025 per 1,000 population
Non-Pulmonary	·002 per 1,000 population

SUMMARY OF NOTIFICATIONS DURING 1966

Part I.—Number of Primary Notifications of new cases of tuberculosis.

Age Periods	0—	1—	2—	5—	10—	15—	20—	25—	35—	45—	55—	65—	75— (all ages)	Total
Respiratory, Males	1	—	2	6	—	2	7	6	7	23	19	9	1	83
Respiratory, Females	—	—	—	1	2	3	7	11	15	5	6	2	2	54
Non-respiratory, Males	1	—	1	—	1	2	—	2	—	—	—	—	—	7
Non-respiratory, Females	—	—	—	1	—	—	2	4	4	1	—	—	—	12

Part II.—New cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above-mentioned period, otherwise than by formal notification.

Source of Information	Number of Cases
Death Returns from Local Registrars:—	
Respiratory	12
Non-Respiratory	—
Death Returns from Registrar-General (Transferable deaths):—	
Respiratory	2
Non-Respiratory	—
Posthumous Notifications:—	
Respiratory	2
Non-Respiratory	—

(d) Contacts

During the year 1966, approximately 1,468 contacts of tuberculous patients were examined by Chest Physicians, with the co-operation of the health visitors, who visited their homes whenever necessary. Particulars were sent as usual to the Physicians of all tuberculosis deaths (whether of notified or unnotified cases) to assist in arrangements for contact examination.

(e) Mass Miniature Radiography

During 1966, Mass Miniature Radiography Units from the Liverpool and Manchester Regional Hospital Boards visited fifteen

areas in Cheshire, and details of the numbers examined and the abnormalities detected are given below.

Area Visited	Type of Examinee	Number of Examinees X-Rayed	X-Ray Findings Confirmed		
			Active Tuberculosis	T.B. requiring occasional supervision	Carcinoma of the Lung
Liverpool Unit					
County Hall	Admin. Staff	657	—	—	—
Ellesmere Port	Industry	5790	3	6	—
	Gen. Public	382	—	—	—
Helsby	Industry	2334	1	4	—
	Gen. Public	60	—	—	—
Bromborough	Industry	1376	—	4	—
Hoylake	Industry	113	—	—	—
New Ferry	Gen. Public	179	—	—	—
Frodsham	National	50	—	—	—
	Children's Homes				
Horton	Industry	317	1	—	—
Malpas	Gen. Public	153	—	1	—
Tattenhall	Gen. Public	134	—	—	1
Farndon	Gen. Public	52	—	—	—
Manchester Unit					
Bollington	Gen. Public &	2167	—	6	—
	Industry				
Disley	Gen. Public &	917	—	—	—
	Industry				
Macclesfield	Gen. Public &	10030	14	21	5
	Industry				
Stalybridge	Gen. Public &	5880	9	15	—
	Industry				
Totals		29701	28	57	6

The Manchester Unit is stationed at the Heald Green Clinic Centre, on one Wednesday afternoon each month, for general practitioner referrals.

(f) B.C.G. Vaccination

The County Council's proposals under Section 28 of the National Health Service Act, 1946, for B.C.G. vaccination of contacts of tuberculous persons were approved by the Minister in 1949. They provided for B.C.G. vaccination of contacts of patients suffering from tuberculosis, such contacts being found by medical tests to be capable of receiving protection from tuberculosis, as a result of the vaccination. In 1964, the Minister gave approval to the scheme being extended to provide for the B.C.G. vaccination of children between 13 and 14 years of age. In 1959, the scheme was further extended to allow for the arrangements to cover school children of 14 years and upwards and also students attending universities, colleges of education and technical colleges, or other establishments of further education.

During 1966, the chest physicians vaccinated 308 cases, and the Divisional Medical Officers vaccinated 129 cases, under the contact scheme. In addition to these, 1,719 new-born infants were vaccinated.

Divisional Medical Officers and Assistant County Medical Officers vaccinated 9,225 school children during the year and details of the work carried out under the schemes are:—

School Children Scheme

Number of consent forms issued	...	...	...	17721
Number of consents received	...	...	...	13968
	Number tested			
		+ve	-ve	
Skin tests	10937	1097	9280	
Number vaccinated with B.C.G.	...	...	...	9225

Contact Scheme

	County Staff	Chest Physicians	Total
Number skin tested	1001	549	1550
Number found positive	477	211	688
Number found negative	511	341	852
Number vaccinated	129	308	437

3. MENTAL ILLNESS

The care and supervision of patients at home suffering from mental illness were carried out by Mental Welfare Officers. Arrangements are made, in suitable cases, for help to be given by other County services, such as Home Nursing and Domestic Help.

Details of the Mental Health Service are given in Section VIII later in this Report.

4. CO-OPERATION WITH HOSPITALS AND GENERAL PRACTITIONERS

Liaison has been continued with the Almoners and other appropriate officials of general hospitals so that discharged patients requiring help from any of the County Health Services may secure it without delay. All hospitals have been supplied with forms on which they can send a request to the Divisional Medical Officer for any of the County health services when a patient is discharged from hospital. The services of a domestic help and a district nurse are also available on request from the general practitioner to help a mother to nurse a child at home and avoid the admission of the child to hospital.

At two large hospitals in the County, health visitors attend the Geriatric clinics to provide information for the specialists and to receive information which is passed on to the health visitors for the districts in which the patients live. Similar arrangements exist at other hospitals in the County at clinics conducted by Paediatricians and Chest Physicians.

It is not practicable for a health visitor to be attached to each general practitioner in Cheshire, as there are many more doctors than health visitors. The following list shows where it has been possible to help practices by the attachment of health visitors:—

Full Attachment

Hyde Division.

North-East Cheshire Division.

South-West Cheshire Division.

Stalybridge and Dukinfield Division.

Part Attachment

Altrincham Division.

Cheadle and Wilmslow Division.

Macclesfield—Bollington area only.

Mid-Cheshire Division.

Nantwich Division.

Runcorn Division.

South-East Cheshire Division.

All practitioners have received full details of the help which health visitors can give and have been told where health visitors can be contacted between 9 and 9-30 a.m. each day. Each practitioner has also received one of the eight separate editions of a 'guide for general practitioners', setting out the details of the County services available in his own area, together with other useful information.

5. PROBLEM FAMILIES

Another aspect of 'care' is the investigation of 'problem families' with a view to effecting any possible improvement and granting any appropriate help. At the end of the year 428 families were on the registers kept by the Divisional Medical Officers.

6. HEALTH EDUCATION

(a) General

An important aspect of 'prevention of illness' is health education and details of the ways in which this is carried out are given below. Routine health education is given by members of the staff, particularly the health visitors, to individuals and small groups, and supplies of leaflets and books are available at the Infant Welfare Centres, Ante-natal and Young Children's clinics. At the clinic centres a variety of posters are also displayed. The subjects covered are concerned with home safety, the care of babies and young children, and vaccination and immunisation. Comment is made page 94 on Health Education for expectant mothers and the parents of young children.

The Divisional Medical Officers are frequently called upon to give lectures to local organisations on such subjects as home accidents, coronary thrombosis, mental health, smallpox, and the connection between tobacco smoking and lung cancer. Courses on First Aid were also arranged. The health visitors are much in demand for lectures to mothercraft classes and young wives associations, etc.

Whenever the opportunity occurs at local exhibitions, displays publicising the health services are staged.

Each division has a filmstrip projector, and there are at present about 200 filmstrips on about seventy different subjects available in the County for use in any division. The subjects covered include prevention of illness, home safety, nutrition, mental health, care of babies, vaccination and immunisation, personal and home hygiene. Another form of visual aid used at lectures is the flannelgraph, and there are a variety of subjects covered by this form of display.

At County headquarters a stock is kept of approximately 100 different leaflets on a large variety of subjects for issue free to the public through the divisional medical officers and health visitors.

(b) Cancer Education

Efforts continue to be made to educate the public about cancer, and the County Health Committee makes large contributions to the cost of the work carried out by the Manchester Committee on Cancer, which operates in that area of the County covered by the Manchester Regional Hospital Board and the Merseyside Cancer Education Committee which covers the rest of the County.

The Manchester Committee's skilled lecturers—mostly doctors who are specialists in cancer at the Christie Hospital—are available to any club or society, free of charge, to speak about the hopeful side of cancer and answer questions. During 1966 the committee arranged 102 such talks in Cheshire.

The films 'From One Cell' and 'To Smoke or Not to Smoke' are available on free loan to any school in the area. The committee's officers are also ready to offer advice to any schools wishing to incorporate basic information about cancer into science subjects and, if necessary, to supply expert speakers. Copies of the Penguin book 'Common Sense About Smoking' have been supplied, free of charge, to every secondary school head-teacher and every school medical officer. From the letters of acknowledgement it is clear that many schools are finding this excellent book of great help in passing on to children information about the dangers of smoking.

The Committee's Mobile Unit was acquired to bring information to those people who belong to no club or society, and who would otherwise have no opportunity of hearing one of the speakers.

During 1966, the Merseyside Cancer Education Committee arranged 26 lectures in Cheshire.

(c) Home Safety

The formation of local Home Safety Committees, on which representatives of the Divisional Health Committees could serve, if necessary, has been left to voluntary societies.

Eight editions of a Home Safety handbook are distributed to the public showing the ways in which accidents in the home occur and the ways in which they can be avoided. The handbooks also give details of the services available in each of the eight areas.

Health education is also furthered by displaying the work of the department on stalls whenever the opportunity occurs at agricultural shows and other public exhibitions.

(d) Venereal Disease

Health education in this field has largely been carried out by the display in all public conveniences of posters on this subject, together with details of the address of the special clinic and clinic times. The number of new cases living in the administrative County attending special clinics is given below:—

Clinic	Syphilis	Gonorrhoea	Other Conditions	Total Cases
Ashton	5	16	38	59
Chester	4	33	106	143
Birkenhead	2	19	66	87
Crewe	2	17	73	92
Liverpool	2	21	174	197
Macclesfield	—	16	40	56
Manchester	3	102	349	454
Oldham	—	3	2	5
Stockport	4	11	101	116
Stoke-on-Trent	—	6	20	26
Warrington	5	11	77	93
	<hr/> 27 <hr/>	<hr/> 255 <hr/>	<hr/> 1046 <hr/>	<hr/> 1328 <hr/>

7. NURSING EQUIPMENT

Stocks of nursing equipment are held by District Nurses and by Divisional Medical Officers for loan to patients needing them, subject to a small deposit charge in the case of the more expensive items. Examples of the small items normally kept by District Nurses are urinals, hot water bottles, bed pans, feeding cups, steam kettles, air rings and back rests.

Divisional Medical Officers make available larger items of equipment such as mattresses, beds, bed cradles, crutches, rubber sheets, etc., and keep reserve stocks of the items held by the Home Nurses. Bedding is also kept for issue in special cases, e.g., when a patient's small stock has to be taken away for disinfection or disinfection, or to provide for house isolation of patients.

The following table gives the main items held by Divisional Medical Officers or in stock at Winsford store:—

Bedpans, rubber	Hoists
Bedpans, large	Hospital type beds
Bedpans, medium	Pulley attachments for
Bedpans, small	hospital type beds
Toilet seats, inflatable	Hospital type cot beds
Rings, foam rubber	Mattresses, foam rubber
Rings, air	Air/water beds
Urinals, male	Walking aids
Urinals, female	Electric blanket
Beds, ordinary	Wheelchair, motorised
Bed cradles	Special beds with various
Mattresses	attachments
Bed trays	Mobile invalid seat
Blankets	Travelling folding wheelchair
Sheets	Leg extension to standard
Draw sheets	type wheelchair
Pillows	7 in 1 walking and
Pillow cases	exercising aid
Commodes	Spastic chairs
Douche pans	Wheelchairs, push type
Sputum cups	Wheelchairs capable of
Paper handkerchiefs	being propelled by patient
Breast pumps	Self-lifting poles
Stair carriage	Enuresis alarms
Crutches	Spinal carriage
Rubber sheets	T.B. Shelters
Feeding cups	Folding triangular frame
Steam kettles	Ejector seat
Hot water bottles	Fracture boards
Back rests	Toilet seat aid
Sputum flasks	Bath aids
Walking sticks	Bath steps
Disposable underpads	Bathmat, special

8. RECUPERATIVE CONVALESCENCE

During the year 1966, 195 patients were sent for recuperative convalescence for periods of between two and eight weeks. Contributions were paid by the patients towards the cost of this convalescence in accordance with the County scale.

The distribution of cases throughout the County was as follows:—

			No. of Cases				No. of Cases
Altrincham	...	...	32	Nantwich	...	...	15
Bebington	...	...	5	North-East Cheshire	...	...	7
Cheadle and Wilmslow	...	...	8	Runcorn	...	...	6
Crewe	...	...	10	Sale and Lymm	...	...	18
Deeside	...	...	4	South-East Cheshire	...	...	9
Hyde	...	...	36	South-West Cheshire	...	...	10
Macclesfield	...	...	4	Stalybridge & Dukinfield	...	...	28
Mid-Cheshire	...	...	3				

Also 67 mentally subnormal children and 21 adults were found accommodation for short periods during the year, under Section 28.

9. SPECIAL LAUNDRY

This service is available for incontinent aged and handicapped persons who are receiving the attention of a home help or a domiciliary nurse. Special bags are provided in which the bundle of dirty clothing is placed. It is collected, and the normal practice is to deliver it to the nearest hospital which has agreed to carry out the laundering of the articles. Patients pay according to their means, with a maximum charge of 5s. 0d. per bundle, although these charges can be varied in exceptional circumstances. The following work under this heading was carried out during the year:—

Number of		Charges to Patients		
Patients	Bags	Full	Minimum	Nil
14	171	—	—	14

The supply of disposable underpads free of charge to patients receiving the services of a district nurse has considerably reduced the demand on the special laundry service.

10. SITTERS-IN

Facilities exist to supplement, in specially approved cases, the Domestic Help Service by means of night sitters-in, and in 1966 eleven patients were assisted in this way.

11. CHIROPODY SERVICE

Details of the County Chiropody Service, which has been in operation since 1/10/59, are as follows:—

- (a) The service is available to persons over the age of 65 years, physically handicapped persons and expectant mothers recommended for treatment by their family doctor or the district nurse.

- (b) All chiropodists holding a qualification laid down in the National Health Service (Medical Auxiliaries) Regulations, 1954, are entitled to take part, giving treatment in their own premises or in the patient's own home.
- (c) Persons entitled to the service may attend any registrable chiropodist of their own choice who is willing to take part in the scheme.
- (d) A patient unable to travel to the chiropodist's surgery may have the treatment carried out at home and for this the chiropodist receives an extra fee.
- (e) The fees for treatment on the premises of a voluntary society are paid direct to the society which makes its own arrangements with the chiropodist.
- (f) The Authority pays the whole of the fees in respect of persons in receipt of National Assistance benefit or whose sole income is the statutory retirement pension.

The following scale of aid was in operation in 1966:—

Free Treatment—

Those in receipt of National Assistance benefit *or* whose income does not exceed

£5 6s. 0d. per week in the case of single persons, or £8 0s. 6d. per week in the case of married persons.

Half cost paid by Cheshire County Council:—

When income between £5 6s. 1d. and £6 16s. 0d. per week in the case of single persons.

When income between £8 0s. 7d. and £10 0s. 6d. per week in the case of married persons.

The Divisional Health Committees have power to vary these payments in exceptional or necessitous cases.

In agreement with representatives of the chiropodists, only six treatments are authorised under the County scheme in the first six months after approval is given to an application for treatment. Following that, six treatments can be approved within the ensuing twelve months. The divisional medical officers are able to authorise more frequent treatments in exceptional cases.

The following table gives details of the work carried out during 1966.

Division	Place of Treatment						Fees paid by C.C.C.			
	Chiropracist's Surgery		Home of Patient		Club				Total	
	Cases	Treat- ments	Cases	Treat- ments	Cases	Treat- ments	Cases	Treat- ments	Full	Part
Altrincham	402	1987	281	1280	18	46	701	3313	607	94
Bebington	438	2019	152	852	—	—	590	2871	497	93
Cheadle and Wilmslow	719	4173	302	2097	—	—	1021	6270	904	117
Crewe	628	2947	285	1257	—	—	913	4204	845	68
Deeside	230	1491	259	1698	—	—	489	3189	429	60
Hyde	557	2670	406	2108	—	—	963	4778	912	51
Macclesfield	301	1644	294	1413	—	—	595	3057	411	184
Mid-Cheshire	379	1928	355	1586	—	—	734	3514	638	96
Nantwich	266	1181	173	798	—	—	439	1979	405	34
N.E. Cheshire	475	2383	418	1956	—	—	893	4339	816	77
Runcorn	386	2425	373	1785	—	—	759	4210	656	103
Sale and Lymm	370	2473	241	1494	—	—	611	3967	539	72
S.E. Cheshire	386	2165	514	2678	—	—	900	4843	825	75
S.W. Cheshire	609	2416	513	1993	—	—	1122	4409	995	127
Stalybridge and Dukinfield	585	3372	624	2654	—	—	1209	6026	1158	51
TOTALS	6731	35274	5190	25649	18	46	11939	60969	10637	1302

Category of patients:—

(a) Over 65 years ...	6565	34399	4832	23881	17	41	11414	58321
(b) Physically handicapped	166	875	358	1768	1	5	525	2648

12. CERVICAL CYTOLOGY, 1966

The following table shows the work carried out during the year:—

Name of Clinic	RESULT OF EXAMINATION					
	No. of Sessions held	No. of New Patients	(a) Nothing Abnormal	(b) Further Investigation	(c) No. in (b) Found Positive	Total Attendances
Bebington						
Eastham	77	831	816	15	4	846
Cheadle & Wilmslow						
Adswold	14	126	120	6	1	132
Cheadle	35	357	341	16	2	373
Handforth	31	355	339	16	2	371
Crewe						
Stalbridge Road ...	52	457	450	7	6	465
Deeside						
Greasby	11	189	183	6	—	189
Heswall	22	388	384	4	3	388
Hoylake	23	361	352	9	1	363
Neston	22	372	371	1	1	373
Macclesfield						
Bridge Street	32	482	467	15	2	486
Mid-Cheshire						
Northwich	56	586	583	3	2	586
Weaverham	1	9	9	—	—	9
Winsford	30	265	264	1	1	265
Nantwich						
The Dowery	48	478	475	3	—	481
N.E. Cheshire						
Bredbury	9	90	88	2	—	92
Hazel Grove	23	251	248	3	2	258
Marple	10	117	115	2	—	119
Romiley	9	92	89	3	—	95
Runcorn						
Grappenhall	12	299	298	1	—	299
Runcorn	20	418	415	3	2	418
Sale & Lymm						
Bodmin Road	11	115	103	12	—	120
Chapel Road	32	305	279	26	—	309
S.E. Cheshire						
Alsager	41	403	388	15	2	403
Congleton	47	545	511	34	4	549
Poynton	23	225	197	28	—	225
Sandbach	45	436	420	16	2	436
S.W. Cheshire						
Ellesmere Port	38	540	537	3	3	540
Upton	34	378	378	—	—	378
TOTALS ...	808	9470	9220	250	40	9568

The number of clinics for the screening of patients and the collection of smears for the prevention, or early detection, of cancer

of the cervix increased by 20 to a total of 28 at the end of 1966. In addition to the taking of smears for examination, attendance at the clinics has brought to light many instances of gynaecological lesions and the women concerned have been advised to consult their family doctors. Of the 9,470 new patients examined in 1966, 250 patients were referred for further investigation, and of these 40 were found to be positive.

13. INFECTIOUS DISEASES

In order that Divisional Health Committees may have a continuous picture of the incidence of infectious disease in their areas, Divisional Offices receive full particulars of notified cases, and the County Council repays to District Councils, in accordance with the National Health Service Act, the notification fees paid to doctors.

The following table gives the number of cases notified under the various headings during the year 1966.

	Scarlet Fever	Whooping Cough	Acute Poliomyelitis Paralytic	Acute Poliomyelitis Non-Paralytic	Measles (excluding Rubella)	Diphtheria	Acute Pneumonia	Dysentery	Smallpox	Acute Encephalitis Infective
Altrincham M.B.	25	29	—	—	618	—	4	97	—	—
Bebington M.B.	49	22	—	—	388	—	8	28	—	—
Congleton M.B.	8	—	—	—	166	—	19	—	—	—
Crewe M.B.	65	22	—	—	488	—	1	43	—	—
Dukinfield M.B.	18	9	—	—	179	—	1	14	—	—
Ellesmere Port M.B.	11	53	—	—	933	—	—	36	—	1
Hyde M.B.	67	5	—	—	347	—	1	1	—	—
Macclesfield M.B.	70	5	—	—	1006	—	—	1	—	—
Sale M.B.	93	3	—	—	591	—	—	5	—	—
Stalybridge M.B.	136	26	—	—	156	—	—	2	—	—
Alderley Edge U.D.	—	—	—	—	10	—	4	—	—	—
Alsager U.D.	—	—	—	—	25	—	—	—	—	—
Bollington U.D.	4	24	—	—	109	—	—	1	—	—
Bowdon U.D.	1	—	—	—	33	—	—	8	—	—
Bred. and Rom. U.D.	16	—	—	—	104	—	1	—	—	—
Cheadle and Gatley U.D.	20	3	1	—	278	—	1	2	—	—
Hale U.D.	3	1	—	—	142	—	—	13	—	—
Hazel Grove and Bramhall U.D.	3	1	—	—	281	—	2	—	—	—
Hoylake U.D.	4	6	—	—	468	—	4	—	—	—
Knutsford U.D.	—	—	—	—	126	—	—	—	—	—
Longendale U.D.	17	2	—	—	104	—	2	—	—	—
Lymm U.D.	—	—	—	—	44	—	1	—	—	—
Marple U.D.	2	—	—	—	57	—	—	—	—	—
Middlewich U.D.	—	—	—	—	105	—	1	—	—	—
Nantwich U.D.	4	29	—	—	179	—	—	—	—	—
Neston U.D.	5	—	—	—	77	—	2	—	—	—
Northwich U.D.	16	1	—	—	116	—	—	—	—	—
Runcorn U.D.	49	—	—	—	394	—	—	1	—	—
Sandbach U.D.	3	1	—	—	134	—	1	—	—	—
Wilmslow U.D.	3	2	—	—	136	—	—	—	—	—
Winsford U.D.	4	—	—	—	126	—	—	20	—	—
Wirral U.D.	21	13	—	—	253	—	5	1	—	—
Bucklow R.D.	4	1	—	—	70	—	1	4	—	—
Chester R.D.	23	10	—	—	180	—	5	38	—	—
Congleton R.D.	3	2	—	—	284	—	4	21	—	—
Disley R.D.	—	—	—	—	8	—	—	—	—	—
Macclesfield R.D.	14	2	—	—	247	—	—	—	—	—
Nantwich R.D.	72	27	—	—	276	—	5	2	—	—
Northwich R.D.	25	—	—	—	477	—	1	3	—	—
Runcorn R.D.	30	19	—	—	502	—	1	—	—	—
Tarvin R.D.	41	—	—	—	171	—	2	1	—	—
Tintwistle R.D.	—	—	—	—	26	—	—	—	—	—
TOTAL	929	317	1	—	16814	—	77	342	—	1

	Acute Encephalitis Post Infective	Enteric or Typhoid Fever	Paratyphoid Fever	Erysipelas	Meningococcal Infection	Food Poisoning	Tuberculosis Respiratory	Tuberculosis Meninges and C.N.S.	Tuberculosis Other	Puerperal Pyrexia	Ophthalmia Neonatorum
Altrincham M.B.	—	—	—	1	—	9	9	—	—	—	1
Bebington M.B.	—	—	1	3	—	7	8	—	1	—	1
Congleton M.B.	—	—	—	—	—	3	9	—	—	—	—
Crewe M.B.	—	—	—	1	1	—	6	—	—	1	—
Dukinfield M.B.	—	—	—	—	—	—	11	—	1	—	—
Ellesmere Port M.B.	—	—	—	—	1	—	7	—	—	—	1
Hyde M.B.	1	—	—	—	—	—	6	—	1	—	—
Macclesfield M.B.	—	—	—	—	—	3	5	—	—	1	—
Sale M.B.	—	—	—	—	—	5	6	—	2	—	1
Stalybridge M.B.	—	—	—	2	—	—	6	—	—	—	—
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Alderley Edge U.D.	—	—	—	—	—	—	—	—	—	—	—
Alsager U.D.	—	—	—	—	—	—	—	—	1	—	—
Bollington U.D.	—	—	—	1	—	—	—	—	—	—	—
Bowdon U.D.	—	—	—	—	—	—	—	—	—	—	—
Bred and Rom. U.D.	—	—	—	—	—	—	8	—	—	—	—
Cheadle and Gatley U.D.	—	—	—	—	—	1	5	—	—	—	—
Hale U.D.	—	—	1	—	—	—	—	—	—	—	1
Hazel Grove and Bramhall U.D.	—	—	—	—	—	—	—	—	—	—	—
Hoyle U.D.	—	—	—	2	—	2	3	—	—	—	—
Knutsford U.D.	—	—	—	—	—	—	—	—	—	—	—
Longdendale U.D.	—	—	—	—	—	—	2	—	—	—	—
Lymm U.D.	—	—	—	—	—	24	—	—	1	1	—
Marple U.D.	—	—	—	—	—	—	—	—	1	—	—
Middlewich U.D.	—	—	—	—	—	—	1	—	1	—	—
Nantwich U.D.	—	—	—	—	—	—	1	—	1	2	—
Neston U.D.	—	1	—	—	—	—	—	—	—	—	—
Northwich U.D.	1	—	1	1	—	—	5	1	—	—	—
Runcorn U.D.	—	—	—	—	—	—	3	—	—	—	—
Sandbach U.D.	—	—	—	—	—	1	—	—	—	—	—
Wilmslow U.D.	—	1	—	—	2	—	2	—	—	—	—
Winsford U.D.	—	—	—	—	—	—	3	—	1	—	—
Wirral U.D.	—	—	—	—	—	—	3	—	1	—	—
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Bucklow R.D.	—	—	—	—	—	1	2	—	—	—	—
Chester R.D.	—	—	—	—	—	7	7	—	—	—	—
Congleton R.D.	—	—	—	—	—	1	—	—	1	—	—
Disley R.D.	—	—	—	—	—	—	2	—	—	—	—
Macclesfield R.D.	—	—	—	1	—	—	3	—	—	—	—
Nantwich R.D.	—	—	—	2	—	1	2	—	—	—	—
Northwich R.D.	—	—	1	1	—	1	3	—	1	—	—
Runcorn R.D.	—	—	—	2	—	—	3	—	—	—	—
Warvin R.D.	—	—	—	—	1	—	4	—	—	—	—
Wintwistle R.D.	—	—	—	—	—	—	—	—	—	—	—
TOTAL	2	2	4	17	5	66	135	1	14	5	5

The following Table shows the variation in notifications of the principal Infectious Diseases during the past ten years:—

Notifications	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957
Measles	16814	9093	9440	11130	4762	13645	3681	11809	4504	11048
Scarlet Fever	929	623	384	345	386	439	693	1049	958	561
Whooping Cough	317	367	834	522	125	294	1072	729	367	1046
Poliomyelitis	1	5	2	3	4	18	9	14	31	35
Diphtheria	—	—	—	—	—	—	1	—	1	2
Smallpox	—	—	—	—	—	—	—	—	5	—
Tuberculosis:—										
Pulmonary, all ages	135	150	195	172	234	219	210	230	308	374
Non-Pulmonary, all ages	15	21	38	21	33	41	34	26	43	61
Pulmonary, Children under 15 yrs.	12	7	11	21	17	22	11	13	17	18
Non-pulmonary, Children under 15 yrs.	4	4	7	4	8	11	12	8	15	26

SECTION VI.—MOTHERS AND YOUNG CHILDREN HEALTH VISITING, ETC.

1. GENERAL

The County Council's responsibilities under Sections 22 and 24 of the National Health Service Act, 1946, are in the main a continuation of work which has been done for many years, though the Health Visitors' services are now also used to carry out the Council's schemes for prevention of illness, after-care, and handicapped persons.

2. HEALTH VISITING

Establishment of Health visitors 31/12/1966—154.

Type of Cases visited during the year	Number of Cases
1. Children born in 1966	21833
2. Children born in 1965	28953
3. Children born in 1961—64	51294
4. Total children	102080
5. Persons aged 65 or over	6492
6. Number included in line five who were visited at the special request of a G.P. or hospital	1946
7. Persons (excluding maternity cases) discharged from hospital (other than mental hospitals)	495
8. Number included in line seven who were visited at the special request of a G.P. or hospital	337
9. Number of tuberculous households visited	1194
10. Number of households visited on account of other infectious diseases	428

3. BIRTHS

(a) Notification of Births

The distribution of the births to Cheshire mothers notified under the Public Health Act, 1936, was as follows:—

Domiciliary	Nursing Homes	Hospitals
4311	10	13749

(b) Premature Infants

Particular attention is devoted to babies weighing 5½ lbs. or less at birth, and special cots with bedding, hot water bottles, etc., are kept in readiness. Eight hundred and seventy premature live

babies were born in the year under review, whose mothers normally live in the Authority's area, and of these 779 survived 28 days. The details are:—

	Number of Live Births	Died within 24 hours	Died 1—28 days	Survived 28 days
Born in Hospital	754	48	33	673
Born at home or in a Nursing Home and:				
(a) Nursed entirely there ...	78	2	1	75
(b) Transferred to Hospital on or before 28th day ...	38	4	3	31
	870	54	37	779

There were 167 premature stillbirths, 156 being delivered in hospital and 11 at home or in a nursing home.

At eleven places around the County, special heated containers are always available should any small or premature baby require conveying to hospital. The Ambulance Service collects the container from the nearest address, conveys it to the home of the baby and then takes the baby to hospital.

4. PUERPERAL PYREXIA

Eleven cases of Puerperal Pyrexia were notified during the year, three being domiciliary and eight institutional confinements.

5. MATERNAL MORTALITY

The maternal mortality for 1966, i.e., number of deaths due to pregnancy, childbirth or abortion, per 1,000 live and still births, was 0.38.

6. ANTE-NATAL AND POST-NATAL CLINICS

The number of Ante-Natal clinics conducted by Doctors was 22. The Regional Hospital Boards pay for a proportion of the sessions attended by specialist obstetricians. In some areas there are other doctors' clinics, and in many districts midwives' clinics have been established.

The following tables give particulars of County clinics held during 1966:—

ANTE-NATAL AND POST-NATAL CLINICS, 1966

Clinic	No. of Sessions	Ante-Natal			Post-Natal
		Total Att'd.	New Cases	No. of Cases	Total Att'd.
Bredbury	48	804	190	192	—
Congleton	51	514	95	111	40
Eastham	50	658	150	191	80
Ellesmere Port	100	2121	479	604	125
Frodsham	51	1600	125	156	5
Greasby	25	124	39	48	12
Hattersley	52	1273	170	170	79
Hazel Grove	51	933	167	205	—
Heswall	51	908	200	294	93
Hoylake	51	898	241	284	72
Hyde	51	926	220	298	—
Little/Great Sutton ...	100	850	192	239	68
Macclesfield:—					
Bridge Street	12	408	158	202	—
Hurdsfield House ...	12	414	146	183	—
Sanders Square	12	248	87	112	—
Weston Estate	12	255	96	123	—
Neston	48	974	238	282	88
New Ferry	51	308	50	64	23
Partington	48	1436	241	254	137
Runcorn	51	1169	257	300	3
Sale	51	643	144	180	—
Timperley	23	162	33	49	1
Totals	1001	17626	3718	4541	826

Midwives' Clinics

Clinic	No. of Sessions	Total Attendances	New Cases
Adswold	22	237	62
Altrincham	41	119	20
Bollington	46	207	61
Bredbury	50	1344	206
Cheadle	6	12	3
Crewe:—			
Ludford Street	48	181	42
Stalbridge Road	31	111	27
Disley	48	339	51
Dukinfield	47	750	111
Eastham	49	253	50
Ellesmere Port	46	1135	232
Grappenhall	36	520	61
Greasby	29	47	7
Hale	41	115	6
Hazel Grove	50	925	156
Heald Green	33	119	48
Heswall*	16	72	18
Hollingworth	35	101	7
Hoyle	48	227	44
Little/Great Sutton	52	835	156
Lymm	48	266	52
Macclesfield:—			
Hurdsfield House	23	199	53
Sanders Square	17	250	78
Weston Estate	19	376	93
Marple	49	637	128
Middlewich	13	77	9
Nantwich	42	92	14
New Ferry	44	308	73
Northwich, Parkfield	37	69	7
Over*	19	218	70
Pensby	17	87	26
Poynton	48	1518	186
Runcorn	41	114	69
Sale:—			
Bodmin Road	20	57	4
Meadway	17	93	17
Sandbach	25	139	27
Stalybridge	46	282	55
Stockton Heath	34	387	67
Timperley	18	126	16
Upton	47	419	50
Weaverham	36	202	44
Winsford/Wharton*	29	113	44
Totals	1463	13678	2550

*Clinics started in 1966.

7. MENTAL HEALTH OF MOTHERS AND YOUNG CHILDREN

Expectant mothers regularly attend preparation classes; these are run on group discussion lines. It is found that the ventilating of personal problems before the birth of the baby is a great help to the mother-child relationship later. The talks are followed by relaxation exercises conducted by physiotherapists.

Classes were held at 40 centres, details of which are given below.

PREPARATION CLASSES, 1966

Clinic	No. of Sessions	Total Attendances	New Cases	Cases Booked for Confinement		
				In Hosp.	At Home	Total
Adswold	51	293	49	35	15	50
Alsager	51	526	71	72	5	77
Cheadle	52	455	71	70	4	74
Crewe	51	1530	200	202	2	204
Disley	48	344	62	33	53	86
Dukinfield	46	662	81	34	55	89
Eastham	45	746	116	123	6	129
Ellesmere Port	43	583	111	96	22	118
Frodsham	51	511	83	78	12	90
Grappenhall	47	469	61	29	46	75
Greasby	45	794	70	74	7	81
Handforth	44	390	70	69	3	72
Hazel Grove	51	726	128	74	56	130
Heald Green	50	821	80	75	6	81
Heswall	45	1185	87	84	3	87
Hoylake	45	938	125	133	14	147
Hyde	43	753	136	122	18	141
Little/Great Sutton	50	450	77	64	22	86
Macclesfield:—						
Hurdsfield House	48	1309	108	85	23	108
Sanders Square	25	140	36	40	14	54
Weston Estate	10	62	30	30	8	38
Marple	48	619	116	89	22	111
Nantwich	48	701	105	105	2	107
Neston	87	1521	167	168	27	195
New Ferry	41	562	103	94	16	110
Northwich, Parkfield	44	322	66	60	14	74
Partington	32	131	22	24	4	28
Pensby	45	823	94	86	12	98
Poynton	48	599	105	49	59	108
Rimiley	45	535	89	79	36	115
Runcorn	50	586	119	108	18	126
Sale	48	156	28	24	9	33
Sandbach	44	562	92	97	4	101
Stalybridge	36	108	23	27	1	28
Stockton Heath	35	237	26	14	27	41
Timperley	23	78	20	27	3	30
Upton	43	507	49	37	17	54
Weaverham	46	230	40	40	6	46
Wilmslow	46	1067	76	82	1	83
Winsford	45	228	39	45	2	47
Totals	1795	23259	3231	2877	674	3551

8. CHILD WELFARE CENTRES

The following Tables give particulars, as in previous years, of the sessions and attendances at Child Welfare Centres throughout the County during 1966:—

Centre	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Adswood	42	2484	623	52
Weekly, Monday.				
Alderley Edge	50	1033	646	21
Weekly, Friday.				
Alsager	102	4315	510	43
Twice weekly, Tuesday, a.m. and p.m.				
Altrincham (The Mount) ...	100	3428	1352	34
Twice weekly, Monday and Wednesday.				
Altrincham (Broomwood) ...	47	838	309	18
Weekly, Monday.				
Altrincham (Timperley) ...	100	4442	1202	44
Twice weekly, Tuesday, a.m. and Thursday, p.m.				
Ashton	16	322	157	20
Fortnightly, 1st and 3rd Wednesday.				
Audlem	24	862	331	36
Fortnightly, 1st and 3rd Tuesday.				
Barnton	24	1177	102	49
Fortnightly, 2nd and 4th Wednesday.				
Barrow	24	318	71	13
Fortnightly, 1st and 3rd Wednesday.				
Bebington (New Ferry) ...	51	1868	583	37
Weekly, Wednesday.				
Bebington (Bromboro') ...	51	1959	608	38
Weekly, Thursday.				
Bebington (Eastham) ...	49	2335	720	48
Weekly, Monday.				
Bebington (Thornton Hough) ...	24	240	63	10
Fortnightly, 1st and 3rd Friday.				
Bebington (Higher Bebington) ...	51	1700	607	33
Weekly, Tuesday.				
Bebington (Mayer Hall) ...	48	1075	406	22
Weekly, Friday.				
Bollington	24	1887	504	79
Fortnightly, 2nd and 4th Thursday.				
Bowdon	25	479	172	19
Fortnightly, 2nd and 4th Thursday.				
Bramhall (Bramhall Lane) ...	45	2709	269	60
Weekly, Monday.				
Bramhall (Bridge Lane) ...	24	832	290	35
Fortnightly, 2nd and 4th Friday.				
Bredbury	51	2786	645	55
Weekly, Tuesday.				
Broadbottom	24	795	177	33
Fortnightly, 1st and 3rd Wednesday.				
Bunbury	24	383	147	16
Fortnightly, 1st and 3rd Friday.				
Cheadle	51	1839	576	36
Weekly, Tuesday.				
Cheadle Hulme	51	3117	696	61
Weekly, Tuesday.				

CHILD WELFARE CENTRES, 1966—contd.

Centre	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Cheadle Hulme (Orrishmere) Weekly, Monday.	48	1980	639	41
Christleton Fortnightly, 1st and 3rd Thursday.	24	613	119	26
Comberbach Fortnightly, 1st and 3rd Wednesday.	24	384	39	16
Congleton Weekly, Monday.	48	4301	581	94
Congleton (West Road) ... Weekly, Thursday.	12	538	99	44
Crewe (Bramhall Road) ... Fortnightly, 2nd and 4th Tuesday.	10	131	66	13
Crewe (Ludford Street) ... Twice Weekly, Thursday, a.m. and p.m.	100	3377	794	34
Crewe (Minshull New Road) Fortnightly, 1st, 3rd and 5th Monday.	27	438	180	16
Crewe (Stalbridge Road) ... Twice weekly, Monday and Wednesday.	99	2825	677	29
Davenham Fortnightly, 1st and 3rd Monday.	24	505	85	21
Disley Fortnightly, 1st and 3rd Tuesday.	24	900	229	37
Dukinfield (Dewsnap Lane) Weekly, Thursday.	49	2041	536	42
Dukinfield (King Street) ... Weekly, Wednesday.	50	1816	388	36
Ellesmere Port (Stanney Lane) Twice weekly, Tuesday and Friday.	102	4105	1131	40
Ellesmere Port (Great Sutton) Weekly, Monday.	48	2105	514	43
Ellesmere Port (Little Sutton) Weekly, Thursday.	34	865	130	25
Ellesmere Port (Overpool) ... Fortnightly, 1st and 3rd Thursday.	8	60	23	8
Ellesmere Port (Westminster) Fortnightly, 1st and 3rd Wednesday.	24	685	303	28
Elton Fortnightly, 1st and 3rd Monday.	9	186	125	20
Farndon Fortnightly, 1st and 3rd Tuesday.	24	514	138	21
Frodsham Fortnightly, Alternate Tuesdays.	24	1137	542	47
Gatley Weekly, Thursday.	51	2123	604	42
Goostrey Fortnightly, 1st and 3rd Tuesday.	24	917	481	38
Grappenhall Weekly, Thursday.	51	2223	920	44
Greasby Weekly, Tuesday.	51	2121	537	42
Great Boughton Fortnightly, 2nd and 4th Tuesday.	23	541	165	24
Hale Weekly, Wednesday.	51	2172	429	43

CHILD WELFARE CENTRES, 1966—contd.

Centre	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Hale Barns Weekly, Tuesday.	51	2185	648	43
Handforth Weekly, Monday.	48	1659	484	35
Hartford Fortnightly, 2nd and 4th Tuesday.	23	408	49	18
Haslington, Fortnightly, 1st and 3rd Tuesday.	24	663	94	28
Hattersley Weekly, Thursday.	52	3149	1257	61
Hazel Grove Weekly, Tuesday.	51	4723	534	92
Heald Green Weekly, Thursday.	51	4055	1428	80
Heatley Fortnightly, 1st and 3rd Wednesday.	24	534	257	22
Helsby Fortnightly, Alternate Tuesdays.	24	703	427	29
Heswall Weekly, Monday.	48	2108	534	44
High Lane Fortnightly, 2nd and 4th Tuesday.	23	1668	490	72
Hollingworth Fortnightly, 1st and 3rd Thursday.	24	1384	248	58
Holmes Chapel Fortnightly, 2nd and 4th Tuesday.	27	1214	649	45
Hoylake Weekly, Thursday.	51	2324	596	46
Huntington Fortnightly, 2nd and 4th Wednesday.	23	546	214	24
Hyde (Bayley Hall) Twice Weekly, Tuesday and Friday.	100	4509	659	45
Hyde (Gee Cross) Weekly, Monday.	47	2499	210	53
Hyde (Parsonage Street) Weekly, Wednesday.	52	4258	325	82
Irby Fortnightly, 1st and 3rd Wednesday.	24	765	60	32
Kelsall Fortnightly, 1st and 3rd Tuesday.	24	644	121	27
Kingsley Monthly, 2nd Wednesday.	16	217	97	14
Knutsford Weekly, Wednesday.	51	3409	739	67
Lacey Green Fortnightly, 1st and 3rd Monday.	24	961	468	40
Leftwich Fortnightly, 2nd and 4th Tuesday.	23	636	134	28
Lostock Gralam Fortnightly, 2nd and 4th Wednesday.	23	588	101	25
Lower Peover Monthly, 2nd Monday.	11	199	46	18
Lymm Weekly, Tuesday.	51	1921	389	38
Macclesfield (Bridge Street) Weekly, Monday.	46	3521	835	77

CHILD WELFARE CENTRES, 1966—contd.

Centre	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Macclesfield (Earlsway) ... Weekly, Friday.	51	2803	592	55
Macclesfield, (Hurdsfield House) ... Weekly, Thursday.	51	2234	475	44
Macclesfield (Sanders Sq.) ... Weekly, Friday.	51	1818	406	36
Malpas ... Fortnightly, 1st, 3rd and 5th Monday.	26	715	319	27
Marple ... Weekly, Wednesday.	52	2977	841	57
Marple Bridge ... Fortnightly, 2nd and 4th Thursday.	24	810	290	34
Mellor ... Fortnightly, 1st and 3rd Thursday.	24	393	181	16
Middlewich ... Weekly, Monday.	57	2290	442	40
Mobberley ... Fortnightly, Alternate Tuesdays.	25	238	176	10
Moulton ... Fortnightly, 1st and 3rd Wednesday.	24	538	122	22
Mow Cop ... Fortnightly, 1st and 3rd Wednesday.	24	260	124	11
Nantwich ... Weekly, Thursday.	51	1919	457	38
Neston ... Weekly, Thursday.	51	4607	630	90
Newton (West Kirby) ... Fortnightly, 2nd and 4th Wednesday.	24	1007	175	42
Northwich (Darland House) ... Weekly, Tuesday.	51	1880	190	37
Northwich (Parkfield) ... Weekly, Thursday.	51	2357	327	46
Over Peover ... Fortnightly, 1st and 3rd Monday.	24	484	194	20
Partington ... Twice weekly, Monday and Thursday.	100	3501	550	35
Pensby ... Weekly, Tuesday.	51	3430	636	67
Plumley ... Fortnightly, 1st and 3rd Thursday.	24	464	120	19
Poynton ... Weekly, Thursday.	51	6037	454	118
Prestbury (at Bollington) ... Fortnightly, 1st and 3rd Wednesday	24	602	116	25
Rainow (at Bollington) ... Fortnightly, 1st and 3rd Wednesday	24	602	116	25
Rode Heath ... Fortnightly, 2nd and 4th Monday.	22	696	311	32
Romiley ... Weekly, Thursday.	50	2403	462	48
Runcorn, Thorn Road (Grange) ... Weekly, Thursday.	51	1616	852	32
Runcorn (Halton Road) ... Twice weekly, Wednesday, a.m. and p.m.	102	3109	1470	30

CHILD WELFARE CENTRES, 1966—contd.

Centre	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Runcorn (Weston Point) ...	24	451	244	19
Fortnightly, 1st and 3rd Thursday.				
Sale (Bodmin Road) ...	51	2432	609	48
Weekly, Wednesday.				
Sale (Chapel Road) ...	102	5513	958	54
Twice weekly, Tuesday and Thursday.				
Sale (Meadway) ...	50	2608	583	52
Weekly, Tuesday.				
Sale Moor ...	51	3332	767	65
Weekly, Thursday.				
Sandbach ...	102	5215	335	51
Twice Weekly, Tuesday, a.m. and p.m.				
Sandiway ...	24	880	123	37
Fortnightly, 1st and 3rd Tuesday.				
Saughall ...	24	617	300	26
Fortnightly, 1st and 3rd Monday.				
Scholar Green ...	23	596	228	26
Fortnightly, 2nd and 4th Wednesday.				
Shavington ...	23	1260	334	55
Fortnightly, 2nd and 4th Tuesday.				
Stalybridge ...	101	4094	1004	41
Twice weekly, Tuesday and Wednesday.				
Stalybridge (Millbrook) ...	45	1354	461	30
Weekly, Monday.				
Stockton Heath ...	48	2144	754	45
Weekly, Monday.				
Sutton (at Sanders Square) ...	23	825	137	36
Fortnightly, 2nd and 4th Wednesday.				
Tarporley ...	24	857	238	36
Fortnightly, 2nd and 4th Thursday.				
Tarvin ...	23	674	212	29
Fortnightly, 2nd and 4th Wednesday.				
Tattenhall ...	24	273	59	11
Fortnightly, 1st and 3rd Monday.				
Tintwistle ...	24	638	114	26
Fortnightly, 2nd and 4th Thursday.				
Upton ...	51	2815	477	55
Weekly, Thursday.				
Vicar's Cross ...	44	2295	609	52
Weekly, Tuesday.				
Waverton ...	23	562	164	24
Fortnightly, 2nd and 4th Tuesday.				
Weaverham ...	51	2702	425	53
Weekly, Tuesday.				
West Kirby ...	50	1508	457	30
Weekly, Friday.				
Willaston (Wirral) ...	24	779	275	32
Fortnightly, 1st and 3rd Friday.				
Wilmslow ...	51	2713	752	53
Weekly, Wednesday.				
Winsford ...	50	1504	593	30
Weekly, Friday.				
Winsford (Over) ...	48	2284	559	48
Weekly, Monday.				
Winsford (Wharton) ...	38	1243	467	33
Weekly, Tuesday.				

CHILD WELFARE CENTRES, 1966—contd.

Centre	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Wistaston (Willaston) ... Three times monthly, 2nd, 3rd and 4th Wednesday.	36	1318	191	37
Woodley Fortnightly, 2nd and 4th Monday.	22	1310	158	60
Wrenbury Fortnightly, 2nd and 4th Wednesday.	24	810	283	34

9. INFANT FOODS

The financial arrangements involved in the supply of infant foods at Welfare Centres continued in the main to be dealt with by Divisional Medical Officers and the voluntary committees' valued help in this and other aspects of centre work was continued.

10. WELFARE FOODS SERVICE

At 31st December, 1966, there were, in all, 177 distribution centres in the administrative county, 102 of these being manned by voluntary personnel, and 75 by full-time or part-time paid staff, including the staffs of the local district councils where, by arrangement, points have been established on district council premises.

Supplies are received from S.P.D. Ltd. Depots at Liverpool, Manchester and Newcastle. S.P.D. Ltd. act as agents of the Ministry of Health in the matter of storage and delivery. It is usual for four to five weeks supply of Welfare Foods to be held at each distribution centre.

A total of 427,633 articles were distributed to individual beneficiaries, N.H.S. Hospitals, and day nurseries during the period 26th December, 1965, to 31st December, 1966, made up as follows:

National Dried Milk (tins)	110123
Cod Liver Oil (bottles)	15956
Vitamin A & D Tablets (packets)	22902
Orange Juice (bottles)	278652

11. CONGENITAL MALFORMATIONS

The arrangements for a return to be submitted for each child who shewed a congenital defect or malformation at birth, have been continued. Outline details of each case were submitted to the Ministry of Health at the end of each month.

During the year 298 cases were so notified and special attention was given by the health visitors to ensure that every possible facility was made available.

12. CHILDREN AT RISK

Immediately it is known that a child is more at risk than others of developing a handicap because of unfavourable family history, adverse pre-natal, perinatal or post-natal influences, details are recorded in a standard form and the child's name is added to the 'At Risk' register. A special watch is kept on the child's progress and much of the Assistant County Medical Officer's time is taken up with these children at the Young Children's Clinics.

At the end of 1966 the names of 12,411 children (born 1964—66) were on the 'At Risk' register.

13. YOUNG CHILDREN'S CLINICS

Young Children's Clinics were held in 60 centres, primarily for ensuring the proper supervision of handicapped children. At the same time Assistant County Medical Officers specially interested in early behaviour problems, can hear of the mothers' difficulties. The very fact of discussing them often indicates to the mother what course she should take. If it should be necessary, the general practitioner's agreement is obtained to refer a case to the Child Guidance Service. Psychiatrists in the Liverpool Region have been most helpful in meeting health visitors and discussing problems with them. Details of the attendances at these clinics in 1966 are given below.

YOUNG CHILDREN'S CLINICS, 1966

Centre	No. of Sessions	No. Present	No. seen by Doctor	Average Attendances
ADSWOOD	13	82	82	6
ALSAGER	5	45	45	9
ALTRINCHAM	11	64	58	6
BROOMWOOD	12	131	131	11
BEBINGTON	11	106	106	10
BRAMHALL*	4	29	29	7
BREDBURY	14	149	149	11
BROMBOROUGH	13	339	339	26
CHEADLE	21	135	135	6
CHEADLE HULME	11	78	78	7
CONGLETON	9	80	80	9
CREWE:—				
Ludford Street	8	73	73	9
Stalbridge Road	10	145	127	15
DUKINFIELD	11	145	91	13
EASTHAM	12	212	212	18
ELLESMERE PORT	9	69	69	8
FRODSHAM	14	130	130	9
GATLEY	10	65	65	7

YOUNG CHILDREN'S CLINICS, 1966—contd.

Centre	No. of Sessions	No. Present	No. seen by Doctor	Average Attendances
GRAPPENHALL ...	8	74	74	9
GREASBY*	19	133	132	7
GREAT/ LITTLE SUTTON	6	72	72	12
HALE	19	138	138	7
HANDFORTH	23	182	177	8
HAZEL GROVE	12	122	109	10
HEALD GREEN	13	84	81	6
HESWALL	17	128	128	8
HOYLAKE	11	101	101	9
KNUTSFORD	20	194	194	10
LYMM	24	271	271	11
MACCLESFIELD:—				
Bridge Street	11	144	129	13
Hurdsfield House	10	92	92	9
Sanders Square	13	92	79	7
Weston Estate	19	166	156	9
MARPLE	17	115	115	7
MIDDLEWICH	10	75	64	8
NANTWICH	10	108	108	11
NESTON	10	62	60	6
NEW FERRY	11	111	111	10
NORTHWICH:—				
Darland House	12	69	69	6
Parkfield	9	57	57	6
OVER*	1	11	11	11
PARTINGTON	34	305	305	9
PENSBY	20	174	174	9
POYNTON	11	46	46	4
ROMILEY	16	134	134	8
RUNCORN:—				
Halton Road	15	136	136	9
Thorn Road*	2	13	13	6
SALE:—				
Chapel Road	4	53	53	13
Bodmin Road	10	94	94	9
Meadway	10	114	105	11
SALE MOOR:—				
Conway Road*	3	31	31	10
SANDBACH	9	73	73	8
STALYBRIDGE	7	37	37	5
STOCKTON HEATH	10	90	90	9
TIMPERLEY	56	410	405	7
UPTON	8	55	55	7
WEAVERHAM	10	89	89	9
WILMSLOW	14	134	126	10
WINSFORD*	11	98	98	9
WHARTON*	1	7	7	7
TOTALS	754	6770	6598	546

*Clinics started in 1966.

14. DENTAL CARE

The Principal School Dental Officer has submitted the following report on the work carried out in 1966, for the care of mothers and young children.

1. (a) Expectant and Nursing Mothers

The trend, noticeable since 1965, of diminishing numbers of expectant and nursing mothers accepting the treatment facilities available and actively offered at County Dental Clinics continued during 1966.

The number of mothers eligible for treatment in this group appear to continue to attend the private practitioners of their choice and it would not be a sound policy to encourage them to change during the limited period of their entitlement to treatment at a local authority clinic.

The greatest demand for treatment, at present, comes from areas with clinics geographically near to new housing areas in which private practitioners have not yet become established and from districts which are not well covered by the General Dental Services.

For six months I have personally conducted a course of talks to mothers attending relaxation classes in one of the County's busy clinics in a growing industrial area. The classes have been well attended and, at the conclusion of each talk, mothers have been told of the dental facilities available, both from the General Dental Service and from the Local Authority Dental Service. Although offers of dental advice and inspection have been made at the actual clinic which they were attending, the response has been disappointing from most of the mothers. I should add that the district is well served by general dental practitioners and it would appear that this service is well used.

(b) Statistics

The number of mothers examined in 1966 showed the largest decline for many years. Despite an increasing population, 438 mothers were dentally inspected during the year compared with 541 in the previous year. This is a national trend and not confined to Cheshire.

Of this number, 404 or 92.5% of those examined needed treatment and were treated compared with 521 or 96.3% in 1965.

The number of teeth extracted amounted to 700 in 1966, compared with 1,058 in 1965. This figure of 1.73 teeth extracted per mother treated compares favourably with the figure for 1965, which was 1.94 per mother treated.

Fillings showed the same trend in the right direction as extractions. During the year 640 fillings were inserted compared with 561 in the previous year, and 1.58 fillings per mother treated in 1966 compared with 1.04 in 1965.

Comparing fillings with extractions, an analysis shows that one fillings was inserted to 1.08 teeth extracted in 1966, whilst the comparable figure for 1965 was one filling to 1.89 extracted.

The greatest decline in the use of the County Maternity Dental Service is shown in the denture statistics. In 1965, County Dental Officers fitted 182 dentures whilst in 1966 only 83 were fitted throughout the County.

2. (a) Children Under Five Years

It is pleasing to note the increased interest of parents in using the facilities offered by the Authority to children in the pre-school group.

The number of young children attending dental clinics increases yearly and the increase shown this year would probably have been a larger comparative figure had it not been that the method of statistical returns for the year had been altered.

These returns now show a grouping of 0—4 years, whereas in past returns a number of children, not attending school, whose fifth birthday occurred in the year under review were classified in the pre-school group.

The gain in this class is possibly due to the fact that whereas the private practitioner is only too willing to accept the expectant or nursing mother as a patient, he is not so willing to deal with the small child whose dental treatment is time consuming both from the point of conditioning the child to accepting a new experience and actually carrying out the necessary treatment.

There are still far too many children whose first visit is made because of toothache, but comparison of fillings to extractions shows a trend which is hopeful and an increasing number of mothers do bring small children to dental clinics voluntarily for inspection.

Dental Health talks at baby clinics are gradually, if slowly, producing some result.

(b) Statistics—Pre-School Children

During the year 1966, the number of children in the 0—4 years group inspected by County Dental Officers amounted to 1,791, compared with 1,664 in 1965.

The number of children actually treated was 1,445 or 87.4% of those inspected, the comparative figure for 1965 being 1,235 treated or 74.2% of those inspected.

Fillings inserted amounted to 1,494 or 1.04 per child treated compared with 0.84 per child treated in 1965.

The number of teeth extracted amounted to 1,482 or 1.02 per child treated, compared with 1.05 in the previous year.

An analysis of fillings to extractions in 1966 shows that one filling was inserted to 0.99 teeth extracted, the comparative figure for 1965 being one filling to 1.24 teeth extracted.

The general trend shown by these statistics is encouraging and I trust that it will continue.

The following details show the work done during the year 1966:—

	Expectant and Nursing Mothers	Children under 5 years
(i) Number provided with Dental Care		
Inspections Made	438	1791
Received Treatment	404	1445
Courses of Treatment completed	233	997
(ii) Forms of Dental Treatment Provided		
Extractions	700	1482
Fillings	640	1494
Anaesthetics—General	101	738
Full Upper or Lower Dentures fitted (first time)	43	—
Other Dentures fitted	40	—
Scalings or Scaling and Gum Treatment	191	84
Other Treatment	5	276
Radiographs	13	13

Number of Sessions spent on M.C.W. work	492
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15. CARE OF UNMARRIED MOTHERS

Arrangements have continued whereby unmarried expectant mothers are admitted to voluntary institutions some time before the confinement, and return there with the baby for varying periods afterwards. The County Council's own Home at 7, Trinity Road, Hoylake, provides 12 beds and eight cots, and 50 Cheshire women were admitted during the year, staying approximately eight weeks before the birth and six weeks afterwards. Responsibility was accepted at other homes and hostels for 101 such mothers during the year.

16. DAY NURSERIES

Details of the 13 Day Nurseries now maintained by the County Council are given on page 60. The following table gives the number of places available and the attendances of children at each nursery in 1966.

Nursery	Approved number of places 31/12/66		Permitted number 1966	Number of children on Register 31/12/66		Average daily attendance 1966	
	0—2	2—5		0—2	2—5	0—2	2—5
incham	15	17	30	8	24	7	18
lington (T)	16	24	30	10	22	9	18
dbury (T)	25	25	30	7	28	8	21
mborough	20	25	30	4	28	3	25
ingleton (T)	16	32	48	10	42	9	30
kinfield (T)	16	24	35	13	27	9	21
smere Port (T) ...	20	30	50	23	45	18	25
el Grove (T)	16	24	35	11	26	10	22
cclesfield:—							
legg Street (T) ...	10	30	40	14	30	7	29
furdsfield (T)	25	25	40	17	23	14	18
outh Park (T)	18	30	40	8	36	10	25
ncorn (T)	16	24	35	12	28	8	24
e (T)	20	31	30	8	30	8	20
Total	233	341	473	145	389	120	296

(T)—Indicates a nursery approved for training purposes.

17. NURSERIES AND DAILY MINDERS

The County Health Department is responsible for the inspection and registration of premises under the Nurseries and Child-Minders Regulation Act, 1948, and the position at 31st December, 1966, was as follows:—

	Number Registered	Number of Children provided for
Private Day Nurseries	74	1614
Daily Minders	69	895

18. NURSING AND MATERNITY HOMES

The County Council is the registration Authority for private Nursing and Maternity Homes under Sections 187 to 194 of the Public Health Act, 1936, for the whole County, and the following details show the position for the year ended 31st December, 1966:—

	Number of Homes	Number of beds provided for:—		
		Maternity	Others	Total
Homes first registered during the year	—	—	—	—
Homes whose registrations were withdrawn during the year	1	—	16	16
Homes on the register at end of year	14	2	602	604

19. ARTIFICIAL SUNLIGHT TREATMENT

During the year 1966, the attendances by children under five at the sunlight clinics listed below were as follows:—

Dukinfield	...	...	...	...	...	...	434
Hyde	...	...	...	...	...	...	252
New Ferry	...	...	...	...	...	...	176
Sale	...	...	...	...	...	...	179
Stalybridge	...	...	...	...	...	...	809

20. ORTHOPAEDIC SCHEME

The specialist orthopaedic sessions held at County Clinic premises are conducted by the Regional Hospital Boards, in the same way as those held at hospital premises, and suitable financial arrangements were made for the few clinics where physiotherapy was only partly under specialist supervision.

The following shews the attendances made during 1966, at such clinics (excluding those for sunlight only) by children under five:—

Dukinfield	...	...	...	...	...	344
Ellesmere Port	...	...	...	...	...	100
Hyde	...	...	...	...	...	397
Stalybridge	...	...	...	...	...	372

21. PHENYLKETONURIA

Health Visitors throughout the County have continued to apply the simple test required for the detection of this condition, carrying this out between the 10th and 14th day of life, with a repeat test between the 4th and 6th week of life. If the condition is not detected at an early stage, an excessive accumulation of phenylalanine occurs in the blood, which retards brain development. The frequency of incidence of this condition in the population is still estimated to be 1 in 50,000.

The Medical Research Council, under Professor Moncrieff, has set up a Working Party, to investigate the results of treatment by dietary control in greater detail. The County has been asked and has agreed to co-operate in this research investigation, where parents are willing and give consent.

No child was reported as positive to the test during 1966.

22. CHILD GUIDANCE

At the end of 1966, there were seven child guidance clinics equipped and staffed for diagnosis and treatment to which children under five years of age could be referred. These were at Ellesmere Port, Grappenhall, Wilmslow, Hazel Grove, Sale, Sandbach and Stalybridge. A further four clinics at Congleton, Macclesfield, Northwich and Alsager were used for preliminary investigations and feeding the main clinics.

23. CEREBRAL PALSY

The cerebral palsy peripatetic team of a physiotherapist and an occupational therapist continues to operate at clinic centres at Cheadle, Congleton, Crewe, Macclesfield and Weaverham, and approximately once a month at each clinic Dr. J. D. Allan, the Consultant Paediatrician, attends. The team has the services of a medical officer specially trained in the ascertainment of intelligence in physically handicapped children. Children usually attend the clinics for treatment once or twice each week. Twice each year a special meeting is held of all officers concerned to review all cases attending the clinics.

The table below gives details of the children attending the clinics during 1966:—

CEREBRAL PALSY CLINICS

	Cheadle	Congleton	Crewe	Macclesfield	Warrington
Number of Children:					
(a) Attending at the end of the year	15	4	8	11	10
(b) Under five years of age	7	2	3	8	4
(c) Unsuitable for education	1	—	—	1	3
(d) Improved sufficiently to:					
(i) attend school	—	—	—	—	—
(ii) have home tuition	—	—	—	—	—
(e) Already at school	9	3	5	1	8
(f) Already receiving home tuition ...	—	—	—	1	—
(g) Who were admitted to clinic during year	7	2	3	5	—
(h) Transferred to other centres	3	1	2	2	—
(i) Who ceased attendance	8	1	3	2	—
(j) Fit for discharge	3	—	—	—	—
(k) Discharged as unsuitable	3	—	1	—	—

24. HEARING AND SPEECH

The policy of offering all babies at 7—9 months the opportunity to have their hearing tested has been continued, this screening for hearing being carried out in the main at Welfare Clinics, by Health Visitors, all of whom have received the appropriate training recommended by the Department of Audiology, Manchester. Refresher Courses in training techniques were organised during the year, with the kind co-operation of Sir Alexander Ewing, for those Health Visitors who had been trained some years previously. The refresher course was most popular with the staff, and served to bring them up to date with newer methods, and also to improve techniques which require skill in application.

It is unfortunate that in some areas the response by parents to the offer of this important screening service is so poor. In 1966, some 11,653 children attended screening for hearing clinics. Where a child fails to respond normally to testing, a Medical Officer is asked to test the child again, and if there still remains doubt, or deafness is confirmed, the appropriate referral to General Practitioner, E.N.T. Consultant or Audiology Clinic, is made. In this way treatment and help can be given at the very early stage necessary for the child's optimum progress.

Where there is doubt as to the diagnosis, or where a decision has to be made as to the type and quality of help the child needs, Consultant opinion is sought at the eight Audiology Centres which are held throughout the County at three monthly intervals. Professor I. G. Taylor (Department of Audiology, Manchester) or Sir Alexander Ewing, together with a Consultant Otologist, attend these clinics and also Medical Officers, Health Visitors and the Peripatetic Teachers of the Deaf.

Auditory training in the home is carried out by the two Peripatetic Teachers of the Deaf particularly concerned with the younger child; the Health Visitors who have received special training in this work provide assistance to the Teachers of the Deaf. Some few children attend Manchester University Department of Audiology for guidance and training.

Where the Medresco Aid (supplied through the National Health Service) is found not to be sufficiently powerful, a special aid is provided by the County on loan. Speech training aids are also loaned to parents for use in the home, this provides the high-fidelity amplification so essential to the young deaf child.

Where the need arises as in cases where the parents of the deaf child are themselves deaf, or where the child's lack of progress indicates that more frequent and intense help is required, it may be necessary to obtain a placement for the young deaf child in a Nursery School for Deaf Children. Undoubtedly, however, it is preferable to keep the child at home as long as possible, and it is often remarkable how skilled parents become in assisting their children, provided they have expert guidance, and provided that the child's needs are constantly re-assessed.

The continuing expert help and guidance provided at the Audiology Clinics by Professor Taylor and Sir Alexander Ewing, and the Consultant Otologists, Mr. Kodicek and Mr. Stride, is, of course invaluable.

AUDIOLOGY CLINICS, 1st January—31st December, 1966

Area	New Cases			Re-Attendances		
	Pre-School	School	Total	Pre-School	School	Total
Accrington	7	10	17	6	7	13
Barnsley	9	6	15	1	8	9
Bradford	9	2	11	12	2	14
Doncaster	4	3	7	11	2	13
Leeds	6	8	14	8	4	12
Sheffield	1	5	6	6	10	16
South Yorkshire	6	9	15	5	2	7
Thames Valley	5	8	13	5	2	7
Total	47	51	98	54	37	91

SCREENING CLINICS—1966

CENTRE	New Cases	Re-tests	Total Attds.	Passed	Failed	N Se
Adswood	137	7	144	135	9	
Alsager	133	9	142	135	7	
Altrincham	169	5	174	166	8	
Barnton	55	—	55	54	1	
Bebington	90	3	93	89	4	
Bollington	70	1	71	69	2	
Bramhall	140	1	141	139	2	
Bridge Lane, Bramhall	70	2	72	70	2	
Bredbury	153	11	164	147	17	
Bromborough	229	20	249	215	34	
Broomwood, Altrincham	49	—	49	48	1	
Cheadle	198	7	205	196	9	
Cheadle Hulme	199	10	209	192	17	
Congleton	260	19	279	244	35	
Crewe—						
Ludford Street ...	331	8	339	329	10	
Stalbridge Road ...	194	9	203	190	13	
Dukinfield	174	7	181	173	8	
Eastham	148	16	164	143	21	
Ellesmere Port	441	53	494	434	60	
Frodsham	105	4	109	97	12	
Gatley	89	2	91	89	2	
Grappenhall	130	2	132	124	8	
Greasby	111	—	111	111	—	
Great Boughton	132	9	141	129	13	
Hale	152	34	186	157	29	
Hale Barns	110	44	154	122	32	
Handforth	203	23	226	203	23	
Hattersley	98	—	98	91	7	
Hazel Grove	277	13	290	278	12	
Heald Green	312	18	330	299	31	
Heswall	206	7	213	210	3	
Hollingworth	48	1	49	48	1	
Higher Bebington	124	10	134	120	14	
Hoylelake	224	4	228	216	12	
Hyde—						
Bayley Hall	155	6	161	155	6	
Parsonage Street ...	191	2	193	191	2	
Knutsford	142	23	165	143	22	
Little/Great Sutton ...	217	21	238	224	14	
Lymm	164	3	167	155	12	
Macclesfield—						
Bridge Street	177	26	203	167	36	
Hurdsfield House ...	103	10	113	91	22	
Sanders Square	60	9	69	57	12	
Weston Estate	45	4	49	46	3	
Marple	116	8	124	119	5	
Middlewich	58	2	60	56	4	
Nantwich	120	4	124	116	8	
Neston	214	11	225	214	11	
New Ferry	146	38	184	143	41	
Northwich	67	3	70	66	4	
Parkfield	149	12	161	144	17	
Partington	253	17	270	248	22	
Pensby	216	2	218	211	7	
Poynton	152	9	161	145	16	

SCREENING CLINICS—1966 (contd.)

CENTRE	New Cases	Re-tests	Total Attds.	Passed	Failed	No. of Sessions
Wiley	160	4	164	162	2	18
Worm	179	2	181	165	16	28
Worm Road	80	3	83	77	6	13
Worm Road	321	23	344	321	23	41
Worm Road	129	2	131	127	4	15
Worm Road	139	5	144	139	5	16
Worm Road	154	12	166	152	14	23
Worm Road	49	—	49	49	—	6
Worm Road	98	4	102	94	8	10
Worm Road	141	5	146	138	8	18
Worm Road	41	—	41	40	1	3
Worm Road	48	—	48	48	—	6
Worm Road	167	1	168	165	3	14
Worm Road	198	13	211	183	28	23
Worm Road	128	5	133	131	2	17
Worm Road	171	6	177	168	9	17
Worm Road	148	8	156	140	16	16
Worm Road	82	—	82	75	7	9
SUB-TOTAL ...	10739	662	11401	10526	875	1217
Worm Road	7	—	7	7	—	1
Worm Road	6	—	6	6	—	1
Worm Road	44	3	47	44	3	9
Worm Road	4	1	5	4	1	1
Worm Road	22	—	22	22	—	2
Worm Road	13	—	13	13	—	1
Worm Road	18	—	18	18	—	2
Worm Road	27	—	27	27	—	2
Worm Road	11	—	11	11	—	1
Worm Road	29	—	29	29	—	3
Worm Road	33	—	33	33	—	2
Worm Road	12	1	13	12	1	1
Worm Road	10	1	11	11	—	1
Worm Road	10	—	10	10	—	1
SUB-TOTAL ...	243	6	249	244	5	28
GRAND TOTAL ...	10982	668	11650	10770	880	1245

SECTION VII—MIDWIFERY

A summary of the numbers involved is given below, further details on pp. 55—57, and general information, relating both to direct nurses who practise midwifery and to those who do not, in Section X.

(a) Number of Midwives in Practice

There were 324 midwives who notified their intention to practise in the County Area during 1966:—

Headquarters Staff	...	...	...	...	...	5
District Midwives	...	...	...	...	...	71
District Nurse Midwives	...	...	...	...	...	99
Independent Midwives	...	...	...	...	...	8
Practising in Private Nursing Homes	...	...	...	...	...	1
Practising in Institutions	...	...	...	...	...	140

(b) Inspection of Midwives

Visits paid by Non-Medical Supervisors of Midwives:—

Inspection of District Midwives	...	...	...	...	103
Inspection of Independent Midwives	...	...	...	...	—
Statutory supervision of District Nurse Midwives	...	...	...	...	39
Special visits to Midwives	...	...	...	...	35
Visits to pupil Midwives	...	...	...	...	47

Cases visited:—

Labours	...	...	...	...	...	...	3
Nursings	...	...	...	...	...	...	89
Ante-Natal	...	...	...	...	...	...	48

CASES ATTENDED BY DISTRICT MIDWIVES AND DISTRICT NURSE MIDWIVES ON COUNTY COUNCIL STAFF

	Deliveries (live and still)		Stillbirths included in Cols. a & b	Miscarriages
	Col. a Doctor not present	Col. b Doctor present		
District Midwives	2522	623	14	46
District Nurse Midwives	725	301	3	9
Total	3247	924	17	55

Number of patients attended by midwives following discharge from Hospital and before the tenth day ... 7587

(c) Notifications received (Central Midwives Board Rules)

Medical Aid	...	...	...	...	...	1462
Stillbirths	...	...	...	...	...	30
Source of Infection	...	...	...	...	...	61
Deaths in the Practice	...	...	...	...	...	10

(d) Inhalational Analgesia

(a) Number of domiciliary midwives practising in area 31/12/66, who were qualified to administer inhalational analgesics	...	...	...	...	...	170
(b) Number of sets of apparatus in use by above, 31/12/66						
Gas and Air	...	...	...	...	...	134
Trilene	...	...	...	...	...	40
(c) Number of cases in which inhalational analgesics were administered, 1966:—						
(a) when doctor was not present:—						
(i) Gas and Air	...	...	...	...	...	1906
(ii) Trilene	...	...	...	...	...	348
(b) when doctor was present:—						
(i) Gas and Air	...	...	...	...	...	623
(ii) Trilene	...	...	...	...	...	133

(e) Pethidine

Number of cases in which pethidine was administered by domiciliary midwives during 1966:—

(a) When Doctor was not present	...	...	...	...	1937
(b) When Doctor was present	...	...	...	...	573

(f) General

(a) Number of houses owned by County Council	...	10
(b) Number of motor vehicles owned by County Council	...	11
(c) Number of County Midwives receiving County allowance for their own cars	...	77
(d) Number of telephone rentals being paid	...	85

(g) Rota System in Domiciliary Midwifery

It has not yet proved possible to introduce a system whereby night calls are taken by midwives who are off-duty during the day.

The districts are such that usually three or four midwives cover an area and relieve each other; by this means two are always on duty. Alternatives to this method have been discussed with the midwives but they prefer to continue the present system, and it appears to work satisfactorily.

SECTION VIII—MENTAL HEALTH

1. COMMUNITY CARE

It has been said that the true success of a community can be judged by the services which it provides for its handicapped members, and certainly the mentally disordered must be one of the larger groups of the handicapped. Thus the mental health facilities which are now provided, and those which are planned for the future, must be a measure of the true success of the community in which we live. Though it is correct to say that complete satisfaction with the facilities given by the Mental Health Service can never be fully attained, 1966 was a year of progress and achievement, due in no small way to the constant efforts of workers in the Mental Health Service to strive for higher standards in their particular field, and never accepting that further improvement is impossible.

Training centres for the subnormal are now as much an accepted part of the national scene as grammar Schools, and Cheshire is fortunate in that it has six junior training centres situated at Eastham, Crewe, Northwich, Altrincham, Hyde and Macclesfield, and six adult training centres at Ellesmere Port, Crewe, Northwich, Altrincham, Hyde and Macclesfield. Training centre cover for the County is adequate at present, but within the next two or three years additional centres will be required, and in 1966, plans were initiated for providing the following additional centres:—

Junior Training Centres

Runcorn
Neston
Cheadle

Adult Training Centres

Runcorn
Heswall
Cheadle

The purpose of the junior training centres is well known: to bring each severely subnormal child up to his optimum level of functioning by scientific methods of teaching so that in adult life the greatest possible degree of independence will be achieved. The severely subnormal child is not able to adapt to and accept change of environment so readily as the normal child and in some cases the transition from junior training centres to adult training centres at 16 years proves a little difficult. In order to overcome this problem groups of senior junior training centre trainees now spend a short period each week in the adjacent adult training centre during the last year at a junior training centre. This has proved a great benefit in minimising the problems attributable to a sudden change of training centre environment.

The pattern of work at the adult training centres comes under three headings:

- (1) Light assembly contract work.
- (2) Traditional handcrafts.
- (3) Social training.

During 1966, due to successful developments of the skills of the subnormal in the first two of the above-mentioned categories, the income coming into the training centres showed an upward trend, thus enabling provision to be made for an increase in the wage paid to the trainees, and in the future a trainee who is on the top grade of pay due to maximum productivity will be able to earn 15/- per week. The payment of an earned weekly pay-packet is an important part of a subnormal's training. It both stimulates a desire to work and at the same time provides the trainee with a valuable sense of achievement.

It has been shown that the failure of a subnormal in gainful employment is as much due to his failure in the social sense as it is to his limited intelligence. This means that great emphasis must be placed on social training in the training centres and although much is taking place at all centres, its amount and content must be extended. This is not easy to achieve, due to the shortage of qualified staff at the training centres and to the demands made on the subnormals' time by the production side of the centres curriculum. The Council send several training centre instructors each year for training on a one-year course, and undoubtedly this will help considerably the social training of the subnormal in the future, and enable the figure of 5% to 10% (number placed in gainful employment from the adult training centres) to be increased.

During 1966, the hostel at Macclesfield for 22 adult female subnormals was completed, and arrangements were made for the admission of female subnormals who were in urgent need of 'care away from home' because of the adverse effect that living at home was having on their development and training. It was also arranged to admit five cases from Cranage Hall and Mary Dendy Hospitals—these had been admitted to hospital because of an emergency at home and because a local authority hostel was not available for them. The co-operation on the part of the hospitals in admitting subnormals who were social problems, not medical, was much appreciated, and is indicative of the close cordial relationship which exists between the local authority service and that of the Regional Hospital Board. It is anticipated that at Macclesfield hostel 25% of the subnormals can be placed in gainful employment, and the remaining 75% will attend the adjacent adult training centre.

Macclesfield hostel, which was purpose-built, is of course the counterpart to the William Gibson Hostel, which caters for 47 adult

male subnormals. William Gibson Hostel has been in operation for five years and due to the inevitable low turnover of trainees there is always a short waiting list for vacancies. However, the provision of their 47 beds has meant that fewer cases have had to be admitted to hospital, which was one of the main reasons for the passing of the Mental Health Act of 1959. William Gibson Hostel, situated at Wrenbury, is in a very isolated position and it is difficult to recruit and keep suitable residential staff. However, this is a national problem and will be eased in a few years when there are purpose-built hostels in well populated areas. It has not been possible to recruit residential staff to operate the Charles Wilson Hostel, which is a 20-bedded hostel adjacent to William Gibson Hostel, and it may be necessary to make arrangements for staff to come into the hostel from Crewe or Nantwich for night-duty only so that subnormals resident there may have supervision during the evening and night time.

Mention has been made in previous annual reports of the psychogeriatric problem, how all the local authorities find that this problem continues to grow, and how increased provision for the residential care of the elderly mentally infirm tends to stimulate the community's appetite for such facilities. During 1966, The Hawthorns, Wilmslow, came into operation. This is a 33-bedded purpose-built hostel, constructed in three wings of 11 beds each. Twenty-two beds under the County Welfare Officer and for elderly people (known as Part III accommodation), and 11 beds under the County Medical Officer of Health for the elderly mentally infirm. The whole hostel is administered by the County Welfare Department. This system works well, one advantage being that should a resident in Part III section develop symptoms of senile dementia then a move to an elderly mentally infirm bed is effected with the minimum of discomfort and upheaval. Similarly should an elderly mentally infirm patient recover to the extent that he could be adequately cared for in Part III accommodation, the change-over could take place easily. It is very rare for an elderly mentally infirm patient to recover sufficiently to be admitted to Part III accommodation. This is due to the irreversible degenerative process which takes place in the brain, producing symptoms of mental infirmity in the elderly.

The 11 beds at Wilmslow are in addition to the 42 beds for the elderly mentally infirm at Hill Bark, Frankby, and five more three wing hostels are nearing completion. A short waiting list is necessary for residential accommodation for the elderly mentally infirm.

During 1966, plans were made for the conversion of a large house in Macclesfield for the day-care of the elderly mentally infirm. By this form of care, relatives will be relieved of the stress of caring for their elderly dependents during the day but will have to look after them during the night. Thus the elderly person's link with home and relatives is preserved, and the problem of the elderly mentally infirm patient is shared between the local authority and relatives.

The rehabilitation of the partially recovered mentally-ill patient (as opposed to subnormal) has proved a problem for some considerable time. Many patients are sufficiently recovered from their mental illness to leave hospital and yet are not well enough to lead an independent life in the community. They require a 'halfway' house in the community where they can live and from which they can go to work. During 1966, the rehabilitation hostel called The Towers, Kilmorey Park, Chester came into operation. This hostel is a 20-bedded hostel run by the Richmond Fellowship organisation. The staff of the hostel is trained from the psychiatric viewpoint, and Cheshire County Council makes a grant towards the cost of Cheshire residents living there during their six to twelve month period of rehabilitation after treatment in hospital. A second hostel for the rehabilitation of the mentally ill came into being in 1966—Chapel Hey in Wallasey. This hostel is a 36-bedded purpose built hostel owned by Wallasey County Borough who have allowed the Council to use it for Cheshire residents who through mental illness require rehabilitation. This hostel has proved of immense value in the community and must be one of the most successful of its kind in the country.

By the end of 1966, Cheshire had placed 14 patients in these hostels for rehabilitation, and the hostels used in this way on an agency basis by the Council enables it to fulfill its obligation under the Mental Health Act and to provide facilities for the rehabilitation of the mentally ill. Another valuable contribution the Council makes towards the employment and rehabilitation of the mentally ill is through the Cheadle Royal sheltered workshop and hostel. Patients are employed in the workshops who through mental illness cannot successfully follow open employment in the community, but are capable of a relatively good work output under favourable conditions. Patients who live near to Cheadle are able to travel to and from the workshops daily. Those who live a long distance from the workshops, or who have no home, live in the hostel and by the end of 1966, 25 Cheshire residents were residing in the hostel. The Council makes a financial grant to residents attending the workshops and to those living in the hostel.

Every opportunity is taken to ensure the closest co-operation between the Mental Health Service and other departments of Cheshire County Council. Only in this way can it be said that the mentally disordered are receiving help from every available source. Workers in the mental health field attend case conferences with colleagues from the Children's and Welfare Departments, attend careers conventions, give lectures and work closely with such agencies as social security and disablement and rehabilitation officers. It is well known and understood that a 'team approach' must be used if the problems caused by mental disorder are to be lessened and finally overcome.

2. MENTAL WELFARE OFFICERS

A Mental Welfare Officer is the social worker of the Mental Health Service. This is a highly specialised section of the local authority health department and is under the guidance and direction of the County Medical Officer of Health, also the Principal Medical Officer for Mental Health and the Chief Mental Welfare Officer.

The duties and functions of a mental welfare officer demand skill in social work which in this particular field embraces a knowledge of psychological medicine and an appreciation of the various conditions of mental disorder and a wide understanding of human relationships. The mental welfare officer's aim is to help people in difficulties relating to their employment, domestic, finance and many other matters which stem from psychological rather than physical factors.

Mental welfare officers work in close liaison with general practitioners and consultant psychiatrists, and in relation to a patient he becomes a guide, counsellor and friend. He helps individuals and families to make a realistic plan to meet their difficulties which may enable them to use their own capacities and resources to manage their own affairs.

The work of mental welfare officers is indeed involved. It makes great demands on them, and also on their families. It is not a nine-to-five job, five days a week. It is a seven-day-week job as it is necessary to provide a twenty-four hour service in each of the nine Mental Health areas, in order to meet any psychiatric emergency that may arise.

Mental welfare officers also help to run social clubs for the mentally subnormal and therapeutic social clubs for the mentally ill.

Selected mental welfare officers attend two-year full-time courses in social work at Colleges of Further Education leading to the Certificates in Social Work—two are away at present, and will complete their two-year course in July next year. Two others are attending a special one-year course for older and more experienced officers, and a third is attending the one-year Psychiatric Social Workers' Course at Manchester University. It is proposed to introduce a crash programme commencing next year to enable the majority of mental welfare officers to become qualified social workers within the next six or seven years.

Periodic meetings of the mental health staff with the County Medical Officer help to sort out problems relating to matters of policy and projects which are contemplated.

3. STATISTICS

TABLE I

The following table shows the number of patients suffering from mental illness admitted to hospital by agency of the Mental Welfare Officers during the period 1st January to 31st December, 1966:—

Hospital	Mental Health Act, 1959									
	Sect. 5 (Informal)		Sect. 25 (Observat'n)		Sect. 26 (Treatm't)		Sect. 29 (Emergency)		Total	
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
Merseyside Region										
St. Mary's, Chester	61	70	22	34	13	10	11	8	107	122
St. James', Chester ...	58	124	2	14	1	4	2	2	63	144
St. James', Frodsham ...	9	16	—	1	—	—	—	—	9	17
St. James', Warrington ...	32	20	8	12	—	7	2	6	42	45
St. James', Winwick ...	23	52	1	2	—	—	—	—	24	54
Catherine's, Birkenhead ...	12	27	3	14	2	1	3	5	20	47
	195	309	36	77	16	22	18	21	265	429
Manchester Region										
St. James', Macclesfield	162	274	135	218	15	24	22	23	334	539
St. James', Nantwich ...	69	99	19	31	1	5	8	6	97	141
St. James', Stockport ...	1	8	3	13	—	—	—	1	4	22
St. James', Ashton-u-Lyne	5	24	1	2	—	—	—	1	6	27
	237	405	158	264	16	29	30	31	441	729
St. James', Cheadle	4	17	4	16	—	—	1	6	9	39
St. James', Derby Hospitals ...	6	8	—	1	1	—	1	—	8	9
	10	25	4	17	1	—	2	6	17	48
TOTALS	442	739	198	358	33	51	50	58	723	1206
COMBINED TOTALS										
	1181		556		84		108		1929	

In addition four male patients and two female patients were admitted to hospital under Section 60 (Court Order) of the Mental Health Act, 1959, and there were four male patients admitted to

hospital under Section 136 of the Mental Health Act, 1959. (The initial action being taken by a Police Officer, Mental Welfare Officers, being eventually involved).

Total number of patients admitted to Psychiatric Hospitals by agency of Mental Welfare Officers under all procedures during the period 1st January to 31st December, 1966	1939
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Total number admitted during corresponding period in 1965	1967
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The following particulars show the number of admissions from each of the nine Mental Welfare Officers' areas:—

Wirral	...	...	...	...	...	...	...	216
West Cheshire	...	...	...	...	...	...	...	271
Runcorn and Lymm	...	...	...	...	...	...	...	194
Mid-Cheshire	...	...	...	...	...	...	...	157
Crewe and Nantwich	...	...	...	...	...	...	...	133
Altrincham, Sale and Knutsford	...	...	...	...	...	...	...	309
Macclesfield and Congleton	...	...	...	...	...	...	...	314
North-East Cheshire	...	...	...	...	...	...	...	176
Hyde, Stalybridge and Dukinfield	...	...	...	...	...	...	...	169
TOTAL	...	...	...	...	...	...	...	1939

In addition 813 (298 male and 515 female) cases were referred to Mental Welfare Officers in which no action was necessary under the Mental Health Act, but appropriate advice and help were given in other ways.

TABLE II

Mental Welfare Officers now have a wide range of duties, as indicated in the following table showing number of visits:—

	Wirral	West Cheshire	Runcorn and Lymm	Mid- Cheshire	Crewe and Nantwich	Altrincham Sale and Knutsford	Macclesfield and Congleton	North East Cheshire	Stalybridge Hyde and Dukinfield
Community Care									
After-care following discharge from hospital	1425	1496	1690	684	460	1424	1521	691	812
Accompanying Consultant Psychiatrist or General Practitioner	52	83	124	206	84	230	343	194	213
Obtaining Case Histories or Case Notes	137	113	55	183	80	344	27	116	44
Whilst patient is still in hospital	176	165	104	85	112	170	112	177	138
Miscellaneous cases (requiring pre-care, advice, etc.)	1013	632	863	784	285	1544	1341	1466	513
Supervision of persons suffering from subnormality or severe subnormality	954	716	681	585	648	851	972	995	567
Hospital Visits									
To patients admitted from County area ...	70	365	36	37	152	93	132	116	146
Attendances at Case Conferences	96	134	—	44	6	91	463	99	26
Consultations with Medical and Nursing Staff	322	977	161	762	494	130	732	1219	701
Consultations with other Agencies, National Assistance Board, Ministry of Labour, etc.	176	750	52	302	465	58	220	582	380
	4421	5431	3766	3672	2786	4935	5863	5655	3540

Office Interviews

During the year 1,708 office interviews took place in connection with mentally ill persons, 311 relating to the mentally subnormal, 52 on other matters.

During the year 290 cases were referred by Mental Welfare Officers to Out-patients' Clinics, and Mental Welfare Officers attended various sessions at such clinics and helped to convey patients to them. The following table shows the number of attendances made and the number of patients conveyed:—

TABLE III

Area	No. of Attendances	No. of Patients escorted to Out- patients' Clinics
Wirral	277	38
West Cheshire	102	62
Runcorn and Lymm	224	237
Mid-Cheshire	82	44
Crewe and Nantwich	153	109
Altrincham, Sale and Knutsford	374	117
Macclesfield and Congleton	374	108
North-East Cheshire	314	187
Stalybridge, Hyde and Dukinfield	199	72
	<hr/> 2099 <hr/>	<hr/> 974 <hr/>

The County is covered by the following clinics, and as far as possible patients are referred to the nearest establishment:—

Wirral	St. Catherine's Hospital Annexe, Birkenhead. Victoria Central Hospital, Wallasey. Clatterbridge Hospital, Bebington. Cottage Hospital, Hoylake.
West Cheshire	Ellesmere Port Hospital. Moston Hospital, Chester. Chester Royal Infirmary. Deva Hospital, Chester.
Runcorn	Victoria Memorial Hospital, Runcorn. The Infirmary, Warrington. General Hospital, Warrington. Winwick Hospital, Winwick. Widnes Accident Hospital, Widnes. Child Welfare Centre, Frodsham.

Mid-Cheshire	Victoria Infirmary, Northwich.
Crewe and Nantwich	Memorial Hospital, Crewe. Barony Hospital, Nantwich.
Altrincham, Sale and Knutsford	Sale and Brooklands War Memorial Hospital. Knutsford and District War Memorial Cottage Hospital.
Macclesfield and Congleton	Rosemount Clinic, Macclesfield. West Park Hospital, Macclesfield. Crangan Hall Hospital, Holmes Chapel.
North-East Cheshire	Stepping Hill Hospital, Stockport. St. Thomas's Hospital, Stockport. Cheadle Royal Hospital, Cheadle. Offerton House, Stockport.
Stalybridge, Hyde and Dukinfield	Ashton General Hospital, Ashton-u-Lyne.

TABLE IV

THERAPEUTIC PSYCHIATRIC SOCIAL CLUBS

Wirral

Thursday Club, Wirral Industrial Therapy Organisation, Birkenhead.
Alternate Thursdays, 7-30 p.m.

West Cheshire

Hoole Fellowship Club, Plas Newton Lane, Chester.
Alternate Tuesdays, at 7-30 p.m.

Runcorn and Lymm

Borrowdale Fellowship Club, Carriage Drive, Frodsham.
Fortnightly meetings on Monday evenings.

Macclesfield and Congleton

Macclesfield and District Therapeutic Social Club held at
Macclesfield Adult Training Centre.
Every Monday.

SOCIAL CLUBS FOR THE MENTALLY SUBNORMAL

Altrincham

The Rowans, 100, Navigation Road, Altrincham.
Every Friday evening.

Crewe

Macon Way Social Club.
Every alternate Tuesday evening (Crewe Adult Training Centre).

Hyde

The Grange Youth Club.
Every Wednesday evening (Hyde Adult Training Centre).

Macclesfield

Macclesfield and District Over-16 Club.

Fortnightly—Wednesday (Macclesfield Adult Training Centre).
Congleton and District Over-16 Club.

Every Friday (New Social Centre, Park Road).

Northwich

Northwich and District Social Club for the Mentally Handicapped.

First Tuesday in each month.

Wilmslow

Social Club for the Over-16 Mentally Subnormal (Wilmslow Society for Mentally Handicapped Children) held at the Parish Hall, Water Lane, Wilmslow.

First Wednesday in each month.

TABLE V

TRAINING CENTRES FOR THE MENTALLY SUBNORMAL

	No. Att. 1/1/66	During Year		No. Attending 31/12/66			Days Open	No. of Att.
		No. Admit.	No. Dis.	M.	F.	T.		
(Y.E. 31/3/66)								
Adult Training Centres								
Altrincham ...	49	16	3	32	30	62	225	10754
Crewe	74	20	14	51	29	80	228	15097
Ellesmere Port	84	22	15	58	33	91	228	17590
Hyde	60	11	5	35	31	66	226	12336
Macclesfield ...	70	15	7	23	55	78	225	14308
Northwich	54	10	5	35	24	59	226	10677
	391	94	49	234	202	436	1358	80762
Junior Training Centres								
Altrincham ...	39	9	6	23	19	42	191	6700
Crewe	45	12	7	26	24	50	191	7870
Bebington (Eastham)	64	14	7	41	30	71	189	10584
Hyde	56	10	6	38	22	60	189	8695
Macclesfield ...	66	15	18	37	26	63	188	9433
Northwich	48	12	9	29	22	51	188	7305
	318	72	53	194	143	337	1136	50591

During the year 22 adult trainees left the centres to take up posts.

OTHER AUTHORITIES' CENTRE

	M.	F.	Total
Chester	8	14	22
(Cases transferred to County Centres 31/3/67).			

VOLUNTARY CENTRES

Altrincham Day Care Unit (The Rowans) ...	1	—	1
Granville House Spastics Centre, Stockport	7	4	11
Pictor House Spastics Centre, Sale	9	8	17
Glengarth Day Care Unit, Marple	1	—	1
Rodney House Spastics Centre, Burnage, Manchester	1	—	1
	<hr/> 19	<hr/> 12	<hr/> 31

DENTAL TREATMENT

The following work was carried out by County Dental Officers for children at County Junior Training Centres during 1966.

Centre	Inspected	Treated	Fillings	Extrac- tions
Altrincham	28	3	3	4
Crewe	39	9	3	27
Eastham	62	7	10	8
Hyde	45	8	2	13
Macclesfield	26	6	6	14
Northwich	34	3	7	5

TABLE VI

HOSPITAL ACCOMMODATION FOR THE MENTALLY SUBNORMAL

During the year 1966, vacancies were found in hospital as follows for persons suffering from mental subnormality:—

Ashton House, Birkenhead	1
Cranage Hall Hospital, Holmes Chapel	7
Greaves Hall Hospital, Southport	2
Mary Dendy Hospital, Alderley Edge	4
Olive Mount Hospital, Liverpool	1
The Manor, Great Sutton	1
Swinton Hospital, Manchester	3
Whitecross Homes, Warrington	1
	<hr/> 20

TABLE VII
Number of persons under Local Health Authority Care at 31st December, 1966

Mentally Ill				Elderly Mentally Infirm				Psychopathic				Subnormal				Severely Subnormal				Total		
Under Age 16		16 and over				Under Age 16		16 and over		Under Age 16		16 and over		Under Age 16		16 and over						
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F					
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)				
1. Total number	8	2	322	580	13	85	—	—	5	3	2	—	382	280	249	191	280	247	2592
2. Attending training centre	...			—	—	9	11	—	—	—	—	1	—	95	59	215	160	139	147		836	
3. Awaiting entry to training centre				—	—	—	1	—	—	—	—	—	—	1	5	6	3	2		18		
4. Resident in L.A. home/hostel	...			—	—	—	—	7	53	—	—	1	—	—	—	21	4	—	—	29	3	118
5. Awaiting residence in L.A. home/hostel	—	—	—	2	2	4	—	—	—	—	—	—	5	14	3	3	2	23	58
6. Resident at L.A. expense in other homes/hostels	—	—	22	14	—	—	—	—	—	—	4	—	16	14	4	2		76	
7. Resident at L.A. expense by boarding out in private household				—	—	—	—	—	—	—	—	—	—	1	—	—	—	2	—		3	
8. Attending day hospitals		—	—	14	22	—	3	—	—	—	—	—	—	—	—	—	—		39	
9. Receiving home visits and not included in lines 2—8:																						
(a) Suitable to attend a training centre	—	—	1	4	—	—	—	—	—	—	6	9	1	2	8	23		54	
(b) Others	8	2	304	548	4	25	—	—	4	3	1	—	240	186	5	6	88	35	1468

TABLE VIII

Number of patients awaiting entry to hospital, admitted for temporary residential care or admitted to guardianship during 1966

1. Number of persons in L.H.A. area on waiting list for admission to hospital at end of year:																					
(a) In urgent need of hospital care	—	—	—	1	—	1	—	—	—	—	—	—	3	—	14	9	4	2	34		
(b) Not in urgent need of hospital care	—	—	—	—	—	—	—	—	—	—	—	—	2	1	6	4	6	6	25		
(c) Total	—	—	—	1	—	1	—	—	—	—	—	—	5	1	20	13	10	8	59		
2. Number of admissions for temporary residential care (e.g. to relieve the family):																					
(a) To N.H.S. hospitals	1	—	1	3	2	5	—	—	—	—	1	—	2	4	29	21	10	26	105		
(b) To L.A. residential accommodation	—	—	—	1	—	—	—	—	—	—	—	—	2	—	—	—	8	2	13		
(c) Elsewhere	—	—	—	—	—	—	—	—	—	—	—	—	3	1	39	28	2	3	76		
(d) Total	1	—	1	4	2	5	—	—	—	—	1	—	7	5	68	49	20	31	194		

TABLE IX

Number of persons referred to Local Health Authority during year ended 31st December, 1966

Referred by																				
(a)	General practitioners	...	...	10	11	792	1432	—	—	6	2	—	—	3	1	—	—	—	4	2261
(b)	Hospitals, on discharge from in-patient treatment	...	...	2	1	431	772	—	—	3	3	—	—	8	4	1	—	1	1	1227
(c)	Hospitals, after or during out-patient or day treatment	...	...	5	2	307	591	—	—	—	—	—	—	2	—	1	—	—	—	908
(d)	Local education authorities	...	...	1	1	—	—	—	—	—	3	—	—	18	7	39	34	—	—	103
(e)	Police and courts	...	...	1	1	102	82	—	—	1	2	—	—	—	1	—	—	—	—	190
(f)	Other sources	...	...	9	6	448	647	—	—	9	1	—	—	17	18	5	7	5	6	1178
(g)	Total	...	...	28	22	2080	3524	—	—	19	8	3	—	48	31	46	41	6	11	5867

SECTION IX—DOMESTIC HELP

Under Section 29 of the National Health Service Act, 1946, the County Council is empowered to provide a Domestic Help Service for households where such help is required owing to the presence of any person who is ill, lying in, an expectant mother, aged, or a child not over compulsory school age.

The service is one of those which have been devolved to Divisional Health Committees for organisation, administration, and management within the approved estimates. It is not one of the services provided free under the Act, and the Local Health Authority has adopted an appropriate payment scale.

Staff employed at 31st December, 1966:—

	Supervisors	Domestic Helps
(a) Whole-time	16	7
(b) Part-time	6	1153
Whole-time equivalent of (b)		431

Details of the work carried out in each Division during 1966 are given in the following table:—

DOMESTIC HELP SERVICE NUMBER OF HOURS HELP PROVIDED

Division	Persons 65 years or over	Persons aged under 65 years				Total
		Chronic Sick and T.B.	Mentally Dis- ordered	Maternity	Others	
Stratford-on-Avon	15800	2741	217	815	1344	20917
Leamington	43787	4058	284	863	2754	51746
Headle and Wilmslow	44977	4930	427	2494	8182	61010
Crewe	70581	7500	—	215	389	78685
Norwich	44875	5768	—	2490	3090	56223
Lydney	29330	2541	648	311	1363	34193
Macclesfield	32534	3637	353	1962	492	38978
Mid-Cheshire	45887	—	123	98	1040	47148
Mantworth	25607	2659	964	387	2796	32413
N.E. Cheshire	44021	4891	152	4613	5950	59627
Unsworth	43532	6300	—	1980	2304	54116
Wale and Lymm ...	20020	510	21	876	860	22287
N.E. Cheshire	62550	9857	312	754	947	74420
N.W. Cheshire	64466	5093	—	1355	2125	73039
Stalybridge and Dukinfield	44993	1770	239	323	157	47482
TOTALS ...	632960	62255	3740	19536	33793	752284

NUMBER OF DOMESTIC HELPS AND CASES HELPED, 1966

Division	HELPS		CASES HELPED					
	Whole-Time	No.	Part-Time Whole-Time Equivalent	Persons 65 years or over	Persons aged under 65 years			
					Chronic Sick and T.B.	Mentally Dis- ordered	Maternity	Others
								Total
Altrincham	—	36	14	201	37	2	22	55
Bebington	—	51	26	305	22	2	22	49
Cheadle and Wilmslow	7	81	40	275	25	4	99	74
Crewe	—	140	38	336	28	—	5	6
Deeside	—	78	27	313	51	—	112	78
Hyde	—	39	16.5	272	26	3	14	14
Macclesfield	—	53	32	257	25	3	73	22
Mid-Cheshire	—	85	26	294	—	2	5	12
Nantwich	—	87	15	126	9	2	17	27
N.E. Cheshire	—	83	29	282	31	3	188	94
Runcorn	—	94	30	287	39	—	69	32
Sale and Lymm	—	34	17	236	11	1	43	41
S.E. Cheshire	—	112	43	273	33	4	29	30
S.W. Cheshire	—	129	38.75	269	22	—	71	36
Salybridge and Dukinfield	—	51	39	405	16	3	12	3
TOTAL ...	7	1153	431.25	4131	375	29	781	573
								5889

SECTION X—HOME NURSING

Under Section 25 of the National Health Service Act, the County Council has the duty to provide a full service for nursing sick persons at home free of charge to the patient.

Details of the nurses and nurse-midwives employed by the County Council are given earlier in this report, together with their districts.

Small nursing appliances such as urinals, hot water bottles, bed-pans, feeding cups, mackintosh sheets, air rings, back rests, inhalers and sputum mugs are kept by nurses for loan to their patients; large items such as special beds, wheel chairs, spinal carriages are available at the Divisional Offices. This service forms part of the County Council's arrangements under Section 28 of the Act.

The following statistics give some idea of the scope of the service and the work done during 1966:—

(a) Number of Home Nurses at 31/12/66:—

(1) Whole-time on General Nursing	...	...	102
(2) Part-time on General Nursing	...	...	114

(b) Equivalent whole-time home nursing service provided in (a) (2) ... 70

(c) Number of houses owned by County Council ... 23

(d) Number of motor vehicles owned by County Council 18

(e) Number of nurses receiving County allowance for their own cars ... 193

(f) Number of telephone rentals being paid ... 185

(g) Cases and visits were as follows:

Types of Cases						Cases	Visits
Medical	...	...	...	...	...	8535	212694
Surgical	...	...	...	...	...	8940	195326
Tuberculosis	...	...	...	...	...	93	4407
Maternal complications	...	...	...	...	...	41	176
Others	...	...	...	...	...	1041	6273
Total						16560	418876

Cases included above who:—

(i) at the time of the first visit during the year were:

(a) 65 years or over	...	...	11784	232748
(b) Children under five years	...	...	357	2839

(ii) had more than 24 visits during the year 3837 259418

(h) The following visits were paid by the Superintendent and Assistant Superintendents:—

(i) Inspections:—

District Nurses	...	...	...	...	208
District Nurse Midwives	...	...	...	...	152

(ii) Special visits:—

District Nurses	...	...	...	...	36
District Nurse Midwives	...	...	...	...	17

(iii) Meetings and lectures attended 15

(iv) Cases:—

Medical	...	...	...	...	1149
Surgical	...	...	...	...	471
Injections	...	...	...	...	374
Casual	...	...	...	...	12

SECTION XI—HANDICAPPED PERSONS

1. GENERAL

Under Section 29 of the National Assistance Act, 1948, the County Council provides Welfare Services for handicapped persons, and the scheme under this heading has been made the responsibility of the County Health Committee.

The classes of handicapped persons to which the section applies are the blind, the partially sighted, the deaf and dumb, and others substantially and permanently handicapped by illness, injury, congenital deformity, or such other disability as may be prescribed.

2. BLIND PERSONS

The Council's approved scheme so made continues, with necessary amplification, the scheme carried out in previous years in accordance with the Blind Persons Acts. Its details are executed by the Blind Welfare Societies at Chester, Ashton-under-Lyne, and Macclesfield, with which appropriate financial arrangements have been made. The Welfare Services of these Societies have been extended, so far as they are applicable, to partially sighted persons.

(a) Certification

To ensure that no person's name is placed on the register without the certificate of a medical practitioner with special experience in ophthalmology, all applicants were examined by one of the County Ophthalmologists. Those who so wished were examined a second time under the Medical Referee Service—conducted jointly with the North Regional Association—by independent Medical Referees.

(b) Statistics

Number of Registered Blind Persons in the County at 31st December:—

Under five years	...	...	...	...	...	...	10
5—16 years	...	...	...	...	...	...	42
16—21 years	...	...	...	...	...	...	20
21—40 years	...	...	...	...	...	...	84
40—50 years	...	...	...	...	...	...	87
50—65 years	...	...	...	...	...	...	272
65—70 years	...	...	...	...	...	...	164
70 years and over	...	...	...	...	...	...	1141
Unknown age	...	...	...	...	...	...	—
Total ...							1820

Registered Blind Persons in County, aged over 16 years, employed or otherwise, at 31st December, 1966:—

Employed:—

In Workshops and Workrooms	...	...	...	...	14
As Home Workers	...	...	...	...	14
Variously	...	...	...	...	108

Not Employed:—

Under 65 years of age	...	...	...	...	310
65 years of age and over	...	...	...	...	1295
Undergoing Training	...	...	...	...	2
At School	...	...	...	...	5

(c) Incidence of Blindness

During the year 1966 there were 512 forms B.D.8 received for the County. These were classified as follows:—

Registered as Blind	...	...	...	...	274
Registered as Partially Sighted	...	...	...	...	185
Not Registered	...	...	...	...	53

(d) Follow-up:

	Cause of Disability							
	Cataract		Glaucoma		Retrolental Fibroplasia		Others	
	B	P.S.	B.	P.S.	B	P.S.	B.	P.S.
(i) Number of cases registered during 1966 in respect of which para. 7 (c) of Forms B.D.8 recommended:—								
(a) No Treatment	32	14	21	2	—	—	115	49
(b) Treatment (medical, surgical or optical)	46	38	25	15	—	—	35	64
(ii) Number of cases at (i) (b) above which on follow-up action have received treatment	12	12	3	7	—	—	4	18

B—Blind

P.S.—Partially Sighted

(e) Ophthalmia Neonatorum

Five cases of Ophthalmia Neonatorum were notified during 1966.

(f) Workshop Employees

Annual grants were continued on the usual principles to recognised Workshops for Cheshire employees. A 'minimum wage' principle has been adopted for certain workers, their income being made up to a nationally agreed fixed amount. On this principle there were two male and one female employees at Chester, three male employees at Stoke-on-Trent, three males and one female at

S.E.L.N.E.C., one male employee at Warrington, one male employee at Stockport and two male employees at Liverpool at the end of 1966.

(g) Home Workers

The three voluntary societies arranged for the employment at home of those capable of it. Augmentation in accordance with the National Scheme was given by the Council to all County approved Workers, who numbered 12 at the end of 1966.

(h) Holidays

During the year 37 blind persons were accommodated in holiday homes under the County Scheme whereby blind persons in receipt of National Assistance benefit can be sent to a recognised home for the blind. The blind person pays £1 towards the cost of one week's holiday, and the balance is paid by the County Council.

(i) Rehabilitation

Four women were maintained during 1966, at the National Institute's Rehabilitation Centre, Oldbury Grange, Bridgnorth.

(j) National Library for the Blind

Grant and augmentation were made in 1966 to the National Library for the Blind on behalf of four Cheshire Home Workers who are Blind Copyists for its northern branch, apart from the usual annual grant for general services, which are used by over 100 Cheshire residents.

(k) Other Services

The usual annual grants were continued in 1966 to the National Institute for the Blind at the North Regional Association for their respective national and regional services.

Grants are made when necessary towards training blind persons to work with guide dogs.

(l) Wireless Certificates

Two hundred and thirty-one Certificates entitling the recipients to a free wireless licence were issued in 1966 to applicants on the register.

(m) Social Clubs

These clubs meet weekly for about three to four hours and their activities include simple handicrafts, games, and a number of afternoon outings in the Summer months. There are clubs at Stalybridge, Hyde, Cheadle and Marple.

3. DEAF PERSONS

The County is fully covered by voluntary societies for the welfare of the deaf, and financial grants are made by the County Council to these societies, which act as authorised agents for the provision of advice and help, when desired, for the establishment of social centres,

and for outings and other recreational activities. A grant is also paid to the North Regional Association for the Deaf in respect of its statistical, co-ordinating, and educational work.

The registers kept by the societies of deaf persons are sub-divided on the following lines according to the person's present condition and needs rather than according to the origin of his disability.

Deaf without speech:

Those who have no useful hearing and whose normal method of communicating is by signs, fingers, spelling or writing.

Deaf with speech:

Those who (even with a hearing aid) have little or no useful hearing, but whose normal method of communicating is by speech and lip-reading.

The numbers of Cheshire deaf persons on the registers of the societies at 31st December, 1966, were as follows:—

	Under 16 yrs.	16 to 64 yrs.	65 yrs. and over	Total
Deaf without Speech				
Chester	15	104	13	132
Liverpool	—	10	7	17
Manchester	—	106	27	133
St. Vincent's (Liverpool) ...	—	—	1	1
Warrington	—	13	8	21
Deaf with Speech				
Chester	1	28	3	32
Liverpool	—	11	9	20
Manchester	—	32	11	43
St. Vincent's (Liverpool) ...	—	1	—	1
Warrington	—	6	1	7
Total Deaf ...	16	311	80	407

4. OTHER HANDICAPPED PERSONS

(a) General

The registers of handicapped persons other than the blind and deaf are kept by Divisional Medical Officers. They are limited to persons who wish to receive benefits under the approved scheme. General advice is given on overcoming their handicaps, and on how to obtain such help as is available, either under this scheme, the hospital, local authority, or other aspects of the National Health Service, and from the many voluntary societies concerned with handicapped persons. The names and addresses and particulars of all handicapped school leavers are sent to the Divisional Medical Officers for follow-up and such action as may be necessary.

One example of help under this scheme is adaptation of premises inside or outside, to help handicapped persons to overcome their difficulties. Assistance in handicrafts is given when possible, with the co-operation of voluntary bodies.

(b) Statistics

The numbers of persons on the above registers were as follows at 31/12/66:—

M of L Class	Definition	Children under 16		No. on Register Aged 16 —64		Aged 65 and over		Total
		M.	F.	M.	F.	M.	F.	
A/E	Amputation	1	1	56	29	37	28	152
F	Arthritis and Rheuma- tism	1	—	58	166	54	307	586
G	Congenital malforma- tions and deformities	82	75	64	89	4	16	330
H/L	Diseases of the diges- tive and genito-urinary systems; of the heart or circulatory system; of the respiratory system (other than tuberculosis) and of the skin ...	18	23	111	114	81	182	529
Q/T	Injuries of the head face, neck, thorax, ab- domen, pelvis or trunk, Injuries or diseases (other than tuberculosis) of the upper and lower limbs and of the spine	10	9	87	57	23	36	222
V	Organic nervous dis- eases — epilepsy, dis- seminated sclerosis, poliomyelitis, hemi- plegia, sciatica, etc. ...	79	62	314	341	58	103	957
U/W	Neuroses, psychoses and other nervous and mental disorders not included in V	10	6	70	53	7	8	154
X	Tuberculosis (respira- tory)	8	11	249	188	44	11	511
Y	Tuberculosis (non-res- piratory)	7	6	45	53	5	8	124
Z	Diseases and injuries not specified above ...	15	10	26	33	9	20	113
	Partially sighted ...	11	11	17	21	22	89	171
TOTALS ...		242	214	1097	1144	344	808	3849

The Persons in the table above were distributed as follows in the County:—

Division	Number on Register			Total
	Children under 16	Aged 16 to 64 years	Aged 65 years and over	
Altrincham	19	146	29	194
Bebington	7	85	21	113
Cheadle and Wilmslow	40	151	68	259
Crewe	60	142	27	229
Deeside	7	183	50	240
Hyde	21	110	52	183
Macclesfield	84	432	156	672
Mid-Cheshire	9	236	187	432
Nantwich	6	124	44	174
N.E. Cheshire	11	94	80	185
Runcorn	—	58	7	65
Sale and Lymm	37	79	49	165
S.E. Cheshire	55	184	122	361
S.W. Cheshire	5	111	11	127
Stalybridge and Dukinfield	95	106	249	450
Totals ...	456	2241	1152	3849

(c) Epileptics and Spastics

The numbers of persons on the Registers is not necessarily the total number of persons so handicapped. In regard to the above two important classes, the following are estimated totals:—

(a) Epileptics:

(i) Children under 16 ...	...	...	...	...	251
(ii) Adults ...	...	...	...	...	138

(b) Spastics:

(i) Children under 16 ...	...	...	...	...	288
(ii) Adults ...	...	...	...	...	127

Care is taken to ensure that, so far as possible, epileptic and spastic persons receive necessary treatment, education and accommodation. Co-ordination is effected when necessary with the residential welfare and the hospital services.

(d) Alterations to Property

During 1966 financial help was given towards the cost of adaptations inside or outside the homes of 157 handicapped persons to enable them to overcome their difficulties.

The types of work most frequently carried out were the provision of:—

- (a) Ramps to doorways
- (b) Pavement crossings and drives
- (c) Handrails inside and outside houses

Grants have been given towards the provision of a downstairs bathroom and the construction of a downstairs bedroom and toilet facilities.

(e) Day Clubs and Centres for the Handicapped

Clubs for handicapped persons are steadily growing in number and specially adapted vehicles have been purchased for the conveyance of disabled persons and their wheelchairs to the clubs. At the clubs occupations of the homecraft type are taught and social activities enjoyed.

Handicraft standards are, in the main, good and no great difficulty is experienced in selling finished articles. It is gratifying to note improvements in workmanship together with increasing confidence.

Socially, the clubs are a great success. Initially, in some instances, it was a triumph, for both the handicapped and the club organisers, to persuade some members to leave the sanctuary of their homes, but now the provision of the special vehicle has opened the door to much greater activity, and clubs have organised day outings and even holidays by the sea. One frequently hears from members expressions of the pleasure they derive from their increased social contact, their admiration for the unstinting efforts of the W.V.S., and it is pleasing to observe that the least talked about subjects are those concerned with suffering and disability.

There is a swimming club for handicapped persons holding weekly sessions at Crewe baths, and one in Macclesfield.

Details of the clubs in 1966, are given below.

Division	No. of Clubs	No. of Persons on the Register 31-12-66	No. of Attendances 1966
Altrincham	1	21	101
Bebington	1	30	1230
Cheadle and Wilmslow ...	1	35	245
Crewe	1	13	539
Deeside	2	62	2187
Mid-Cheshire	3	119	1824
Nantwich	1	24	465
N.E. Cheshire	1	46	546
Runcorn	2	46	1020
S.E. Cheshire	2	60	903
S.W. Cheshire	1	29	787
Stalybridge and Dukinfield ...	2	55	2612
Totals	18	540	12459

(f) Occupational Home Work

In the Altrincham, Runcorn, and South-East Cheshire Divisions occupational therapists were employed to instruct handicapped persons in handicrafts at home. Knitting, crocheting, embroidery, tapestry, marquetry, leather work, and rug making were the most popular activities. The occupational therapists paid 377 visits to homes in 1966.

(g) Cripples' Help Society, Manchester

The area of the above Society extends over a large part of the County and in 1959 agreement was reached on the services which would be provided for handicapped persons by the Society and by the County Council in order to avoid overlapping.

Particulars of all handicapped persons are exchanged by the Society and the Divisional Medical Officers, provided the persons concerned do not object, and the following table shows the number of persons on the register of the Society in each of the Divisions at the end of 1966:—

Altrincham	...	...	...	...	...	...	84
Cheadle and Wilmslow	...	...	...	...	...	...	82
Crewe	...	...	...	...	...	...	18
Deeside	...	...	...	...	...	...	4
Hyde	...	...	...	...	...	...	101
Macclesfield	...	...	...	...	...	...	56
Mid-Cheshire	...	...	...	...	...	...	29
Nantwich	...	...	...	...	...	...	5
North-East Cheshire	...	...	...	...	...	...	95
Runcorn	...	...	...	...	...	...	3
Sale and Lymm	...	...	...	...	...	...	80
South-East Cheshire	...	...	...	...	...	...	11
South-West Cheshire	...	...	...	...	...	...	4
Stalybridge and Dukinfield	...	...	...	...	...	...	110
Total							682

The County functions cover:—

- (a) general visitation by health visitors
- (b) provision of domestic helps when required
- (c) provision of night sitters-in in exceptional cases
- (d) payment of special laundering

- (e) adaptions to homes in order that handicapped persons may overcome their handicaps
- (f) provision of 'aids'
- (g) in suitable cases, arrangements for convalescence as a means of obtaining rest and change of air if there is a 'health' reason for this action
- (h) provision of nursing aids including, in addition to those items usually classed as normal nursing aids, special chairs for spastics, special beds, hoists, three-legged sticks, etc.

The Society:—

- (a) arranges for visitation
- (b) teaches handicrafts when necessary
- (c) arranges for payment to be made to handicapped persons for suitable articles made by them in connexion with handicraft training
- (d) provides special nourishment in appropriate cases
- (e) arranges holidays, convalescence and outings
- (f) provides necessitous disabled persons with clothing
- (g) provides Christmas parcels when required
- (h) lends, when appropriate, invalid chairs, walking aids, page-turning machines and other appliances

(h) Car Badges for Severely Disabled Drivers

To ease the difficulties of severely disabled drivers in finding suitable parking places, badges are issued to such drivers for display at the front and rear of their vehicles. While conferring no legal rights or privileges, the badges enable the drivers to be readily identified and assisted in parking, with discretion exercised in their favour wherever possible.

The County Health Committee decided that the issue of the badges should be delegated to the Divisional Health Committees subject to such issue being restricted to drivers whose disability was so severe as to render them able to walk only with difficulty.

In 1966, the divisions supplied 141 applicants with badges.

(i) Meals on Wheels

The following information has been supplied by W.V.S. County Office, indicating the areas in which meals were provided in the

homes of old people during the quarter ended 31-12-66. During the quarter, 63,000 meals were provided.

Alderley Edge	Macclesfield
Alsager	Malpas
Altrincham	Marple
Barnton	Middlewich
Bebington	Mobberley
Bollington	Nantwich
Bramhall	Neston
Bredbury and Romiley	Northwich
Cheadle and Gatley	Partington
Chelford	Plumley and Pickmere
Christleton	Poynton
Congleton	Pulford
Crewe	Rode Heath
Davenham	Runcorn
Disley	Sale
Dukinfield	Sandbach
Ellesmere Port	Sandiway
Farndon	Scholar Green
Frodsham/Helsby	Shavington
Gawsworth	Smallwood
Goostrey	Stalybridge
Gt. Boughton/Huntington	Stockton Heath
Hale	Tarporley
Haslington	Upton
Hazel Grove	Waverton/Tattenhall
Holmes Chapel	Weaverham
Hoylake	Whitegate
Hyde	Wilmslow
Kelsall/Tarvin	Winsford
Knutsford	Wirral
Longdendale	Wistaston
Lymm	

(j) Homes for Old Persons and Disabled Persons

The regulations for registration and inspection of voluntary homes for old people, etc., namely the National Assistance (Registration of Homes) Regulations, 1949, are administered by the County Health Department, and the position for the year ended 31st December, 1966, is shewn below:—

	Homes for Old Persons		Homes for Disabled Persons	
	Number of Homes	Places provided	Number of Homes	Places provided
New Registrations, 1966 ...	4	31	—	—
Registrations cancelled, 1966 ...	2	8	—	—
Homes on Register, 31-12-1966	32	522	5	531

SECTION XI—SANITARY ADMINISTRATION*

A. FOOD AND DRUGS ACTS AND REGULATIONS THEREUNDER

MILK AND DAIRIES

(a) General

The Department continued its work during the year in connection with the milk supply, as a contribution towards the aim of ensuring that all milk produced, processed and sold within the County reaches the consumer in a clean and wholesome condition and free from disease-producing organisms.

With this aim in view regular sampling was continued at all stages of milk production, processing and distribution for which the County Council is responsible. The frequency of sampling with regard to the various designations of milk and the type of dealer is based on experience gained during past years and gives maximum practical protection to the consumer.

The licensing of all milk dealers, including all processors and distributors, with the exception of Producer Retailers (who are licensed by the Ministry of Agriculture, Fisheries and Food) is carried out by the County Council in their 'Food and Drugs' area. Thus the County Council are responsible for the licensing of a very large number of milk dealers throughout the County with the consequent inspections and sampling work involved.

The second five-year milk licensing period commenced on the 1st January, 1966. Details of milk licensing are given later in this report.

Liaison between the County Council and the District Councils who are the Registration Authorities for distributors and dairies under the provisions laid down in the Milk and Dairies (General) Regulations, 1959, was maintained, joint inspections being carried out where necessary, and appropriate action taken in regard to any contraventions of Milk and Dairies Regulations found.

District Councils are given the opportunity of making observations prior to any new licence being issued and copies of all relevant milk sample reports are sent weekly to the Medical Officer of Health concerned together with information of action taken regarding unsatisfactory samples when requested.

*This part of the report includes the work carried out by the County Health Inspector's Section.

(b) Milk Production

Producer licences are granted by the Minister of Agriculture, Fisheries and Food, but a specific duty is laid upon County Councils by the Food and Drugs Act, 1955, Section 31 to administer provisions designed to prevent the sale of tuberculous milk and milk from cows suffering from any infection of the udder likely to convey disease.

The whole of Cheshire is subject to the operation of Specified Areas Orders, so that in the whole County only specially-designated milks may now be sold (i.e. Pasteurised, Sterilised, Untreated and Ultra Heat Treated).

In view of the potential public health hazards associated with the consumption of raw milk, which is sold under the special designation 'untreated', it has been the policy of the Department over the past few years to take frequent samples of untreated milk sold to the public and to submit these for biological and cultural examinations to ensure that the organisms of tuberculosis and brucellosis are not present.

The other specially designated milks on sale are, of course, made safe from the point of view of pathogenic organisms by the pasteurisation and sterilisation processes which are under the licensing control of the County Health Department.

During 1966 it has been the aim of the Department to obtain a monthly dealer sample from all producer-retailers retailing untreated milk in the County's 'Food and Drugs Area' and to obtain bulk samples thrice yearly from all herds in the County from which milk is sold raw to the public. Each bulk sample contains the milk from not more than ten cows. Dealer samples of untreated milk which is not retailed by the producer are taken at quarterly intervals from each distributor retailing this milk. The submission of dealer samples for brucella examination was commenced in the early part of 1965, in co-operation with the Public Health Laboratory Service to give a much wider sampling coverage. This was continued during 1966 and proved to be a very worthwhile exercise as 30 brucella positive samples were found.

(1) BRUCELLOSIS

In recent years, owing to the human health problem (brucella abortus causes undulant fever in man) and to the considerable loss to the farming community because of brucella infection in cattle, probably amounting in aggregate to several million pounds a year, pressure has been brought to bear on both the Ministry of Health and the Ministry of Agriculture, Fisheries and Food from all parties involved in this problem.

I am now pleased to report this pressure has had a two-fold effect.

(i) It was announced in July, 1966, by the Minister of Agriculture that a two stage scheme to eradicate brucellosis in Britain would be started as soon as possible.

Stage 1 will be the building up of a register of brucella-free cattle herds on a voluntary basis to ensure a reservoir of disease-free replacements.

Stage 2 (to be started when the register is adequate) will be an area-by-area eradication involving slaughter of all reactors with compensation payments.

The current position (October, 1967) is given as follows by the Divisional Veterinary Officer of the Ministry of Agriculture, Fisheries and Food:—

Brucellosis (Accredited Herds) Schemes—Cheshire

Scheme commenced 1st May, 1967.

Number of applications to date	203
Number of First Qualifying Tests	167
Number which passed above Tests	114
Number which failed above Tests	53

The applications have been received in the approximate proportions of 50% commercial herds, 40% pedigree herds and 10% producer retailers.

(ii) In October, 1966, the Ministry of Health issued a circular (Circular 17/66) giving guidance to Medical Officers of Health regarding the application of regulation 20 of the Milk and Daries (General) Regulations, 1959, to brucellosis (Regulation 20 gives a Medical Officer power to stop the sale of infected milk or milk which he may suspect is infected with a disease communicable to man).

The circular also gave recommendations with regard to sampling frequencies and suggested that herd investigations should be carried out on herds which were found to be milk ring test positive.

I am pleased to say that the recommendations with regard to sampling frequency were already in operation in Cheshire and that this only confirmed my own opinions on this matter.

At first sight, it appeared that the suggestion that all milk ring test positive herds were to be investigated by either individual cow samples or by group samples, followed by individual cow samples from the milk ring test positive groups, would present some difficulty. Talks took place with representatives of the Public Health Laboratory Service and maximum figures were agreed on the number of samples which could be submitted for brucella examination each working day.

It was then agreed at a Divisional Medical Officers' Meeting, at which the Divisional Veterinary Officer of the Ministry of Agriculture, Fisheries and Food attended, that a four-monthly cycle of investigation would be carried out by the County Health Inspector's

Section on herds which were milk ring test positive. In view of the numbers of samples involved this sampling would replace the bulk milk sampling previously carried out by the Milk Sampling Officers. These arrangements were commenced on the 1st January, 1967, and in co-operation with the Medical Officers of Health, Public Health Inspectors of the District Councils and the farmers, have proved a great success. At the time of writing this report, in fact, the number of milk-ring test positive herds has dropped by almost half.

In co-operation with individual medical practitioners, divisional medical officers, hospitals and the public health laboratory service, a register of known human cases of undulant fever in the County is being kept. This was started in May, 1961, and at the time of writing this report (September, 1967) a total of 144 cases have been recorded. The great majority of these had been consuming raw milk or had been in contact with cattle and in a number of cases the onset could be linked with a herd from which brucella positive milk samples had been obtained at the same period. It is considered that many more cases occur than are diagnosed and many cases are diagnosed which are not reported. It would greatly assist the work in this field if undulant fever were made a notifiable disease.

At the end of 1966, there were 263 herds in the County from which milk was sold raw to the public. These are either herds of producer-retailers or farm bottlers supplying other dairies, and a few whose raw milk is supplied in bulk to a dairy and there bottled raw.

It is estimated that the total number of cows involved in the 263 herds is 7,500 and that the total gallonage of milk sold to the public in its raw state is about 10,500 gallons, representing the daily milk supplies of about 120,000 persons. This represents about 12 per cent. of the population of the administrative county. More raw milk is consumed on the eastern side of the county than in the remainder, indeed, it has been calculated that almost 50 per cent. of the people in one area have a raw milk supply. The national figure for the consumption of raw milk is said to be about four per cent., so that in Cheshire there is a much greater proportion of the population 'at risk' than in the country as a whole.

The County Health Department in this field co-operates with the health departments of the county districts in Cheshire, and the work has been concentrated on the herds from which some or all of the milk is sold to the public in its raw state.

The legal basis is Section 31 of the Food and Drugs Act, 1955, which lays a duty upon county councils to enforce the prohibition of the sale of milk from any cow suffering from any infection of the udder which is likely to convey disease. Under Regulation 20 of the Milk and Dairies (General) Regulations, 1959, a district medical officer of health has power to place restrictions on the sale of infected milk.

When sampling for brucellosis started in 1960, 7.6 per cent. of samples were found positive for brucella, this has been reduced to 6.1 per cent. in 1961, 5.2 per cent. in 1962, 3.2 per cent. in 1963, 3.6 per cent. in 1964 and 2.0 per cent. in 1965.

The work with regard to brucella sampling in 1966 can be analysed as follows:—

				Submitted	Brucella Positive	%
Bulk Farm Samples	...	...	...	2229	50	2.2
Dealer Samples (i.e. milk as retailed)	...		...	2531	30	1.2
Schools	...	...	...	25	—	—
Totals ...				4785	80	1.7

These figures do show the advantage of submitting dealer samples for examination in addition to the bulk farm samples.

The positive samples involved 48 different herds or 18.25 per cent. of the total herds, and some herds were positive on more than one occasion during the year. This percentage compares with the estimated national figure of 25 to 30 per cent. infected dairy herds contained in Animal Disease Surveys Report No. 4 'Brucellosis in the British Dairy Herd'.

Samples of milk found to contain brucella infection are immediately notified to all interested parties, which include the Divisional Veterinary Officer of the Ministry of Agriculture, Fisheries and Food and the District Medical Officer and Chief Public Health Inspector of the districts concerned.

During the year, the County Council carried out 46 herd investigations on 37 herds, and in doing so collected 1,145 individual cow samples, of which 963 were initial samples and 182 repeat samples. As a result of this work, 53 animals were identified as excreting brucella organisms and were dealt with. Thus in these investigations 4.6 per cent. of the cows were found to be positive.

In addition 126 individual cow samples were collected from newly calved or newly purchased animals, two of these proved *Brucella* positive. This sampling entailed no additional visits by the Sampling Officers as these samples were obtained when visits were made for the purpose of obtaining routine Dealer Samples.

Also during 1966, private veterinary surgeons carried out 16 investigations on 14 herds and one of the District Authorities carried out a single investigation. Following these investigations, 47 cows out of a total of 574 were removed from the herds involved. These included *Brucella* positive cows, cows which were strongly milk ring test positive and cows which were suspect on blood testing.

(2) TUBERCULOSIS

No evidence of tuberculosis was found in the samples submitted for examination. It is the aim of the Department to ensure that at least one set of bulk samples from each 'raw milk' herd is submitted for biological examination each year. This is considered still to be necessary, even though the incidence of bovine tuberculosis has fallen to extremely low levels. There is the possibility of reduced resistance to the disease, and on rare occasions an animal may become infected.

(3) ANTIBIOTICS IN MILK

The Report of the Milk Hygiene Sub-Committee of the Milk and Milk Products Technical Advisory Committee, issued in May, 1963, referred to the widespread use of antibiotics in the treatment of mastitis and the possible public health hazard due to traces of antibiotics being present in milk.

The sale of such milk for human consumption is considered to be undesirable because of the possibility that it could have ill-effects on the health of a few people who may be, or who may become, particularly sensitive to antibiotics.

The larger and medium-sized dairies are continuing to carry out periodic checks (normally monthly) on their incoming farm milk supplies. The dairy laboratories use the T.T.C. test and a system of price penalties was introduced by the Milk Marketing Board on 1st April, 1966.

Owing to the pressure of other work, the Public Health Laboratory Service was not able to undertake in the first half of the year any examinations for antibiotics. This was recommenced in August, 1966, and during the remaining months of the year 1,341 samples were submitted to the Public Health Laboratory, Chester, for the antibiotics test and eight samples were reported as unsatisfactory.

Appropriate action was taken in the case of unsatisfactory samples and in only one instance did the repeat sample prove unsatisfactory. No further trouble has been experienced with any of these herds.

(c) Processing

The County Council continued its important function of licensing and supervising all milk pasteurising and sterilising plants within its 'Food and Drugs' area.

At the beginning of 1966, ten pasteurising and three sterilising licences were in operation at 11 different dairies within the county 'food and drugs' area. During the year three pasteurising dairies and one sterilising dairy ceased to process milk. One pasteurising licence and the sterilising licence which were cancelled were in operation at the same dairy premises. In this case the company transferred processing and bottling to other dairies within the same group and have now converted the disused dairy into a milk products factory. One of the dairies which ceased to pasteurise milk was a family business

operating holder type plant, and in this case the retail side of the business was continued, pre-packed milk being obtained from one of the larger processing dairies. In the third case, a partnership, this was taken over by one of the larger companies.

Three new dairies were licensed during the year each operating holder type plant. One other retailer of untreated milk is having pasteurising equipment installed on his premises which will come into operation in March, 1967. Thus, at the end of the year, the number of pasteurising licences was ten and the number of sterilising licences two, in operation at 11 different dairies.

From the figures given it will be seen that there were ten phosphatase failures (the phosphatase test is the official test for the correct heat-treatment of pasteurised milk). The total number of pasteurised samples examined during the year by this test was 6,925. This represents a failure rate of 0.14 per cent. which is an improvement on the 1965 figure of 0.19 per cent. and is the same as the previous record low achieved in 1963. It should be noted that five of the failures were from dairies outside the County and that three were from County dairies which no longer pasteurised milk.

The five failures of milk supplied by dairies in adjoining administrative areas were referred to the appropriate Licensing Authority for investigation. The remaining five were investigated by the County Health Inspector or his Deputy. These involved four small dairies all of which had holder type pasteurising plant. The failures were found to be due to the following causes: in two cases the milk had been heat-treated at below the prescribed temperature (145°F); in another the milk had been heat-treated at below 145°F and had been held for less than the necessary half-hour period; and in another pasteurised milk had been contaminated with raw milk.

In all these cases, severe warnings were given to the dairies concerned. The causes of the failures underline the need for regular routine inspections and plant checks of the processing dairies.

Seventeen of the 1,483 dairy samples failed the methylene blue test for cleanliness and keeping quality. This is slightly higher than last year when fourteen samples failed. These seventeen failures involved five dairies and, in fact, thirteen were from two dairies one of which has now ceased to process milk, and the other experienced difficulties very shortly after opening.

A total of 309 dairy samples of sterilised milk were submitted for examination. This figure is considerably less than in 1965 (552) owing to the reduction in the number of sterilising plants in operation. The statutory test for this designation of milk is the turbidity test which checks the correct heat-treatment of sterilised milk. None of the samples failed the turbidity test.

Washed bottles are collected by the sampling officers in batches of six from each bottle-washing machine at the processing dairies at

approximately three-weekly intervals. The results of the examinations for bacteriological cleanliness were as follows:—

		Result of Examinations			
	Number of Bottles Examined	Satisfactory	Fairly Satisfactory	Unsatisfactory	% Satisfactory
1966	1616	1451	52	113	89.8
1965	1937	1705	78	154	88.0

(d) Distribution

On the 31st December, 1965, all Dealer's (Untreated) Licences and all Dealer's (Pre-packed Milk) Licences expired, this being the end of the first five-year licensing period.

During the latter part of 1965 application forms for renewal of licences had been sent to all persons holding either of the above mentioned licences with a request for completion and return by the end of the year.

		Dealers' Licences			
		In operation 1/1/66	No. issued 1966	No. cancelled 1966	In operation 31/12/66
Dealers' (Untreated)	Licences	24	3	9	18
Dealers' (Pre-packed)	Milk	1236	94	72	1258

Systematic dealer sampling is arranged to give coverage to all the licensed dealers according to the types of milk being sold (one licence may authorise the sale of all four specially-designated milks). Retail sampling of producer-retailers is also carried out.

The following table summarises the results of this sampling during 1966:—

	UNTREATED RAW MILK			PASTEURISED MILK				STERILISED MILK	
	Total Collected	Meth. Blue Failures	Voids	Total Collected	Meth Blue Failures	Voids	Phos. Failures	Total Collected	Turb. Failures
Dealer Samples	2672	301	62	3934	161	91	1	737*	—
School Samples	25	6	—	1375	54	14	4	—	—
County Premises	—	—	—	133	1	—	—	—	—
TOTAL	... 2697	307	62	5442	216	105	5	737*	—

*This figure includes 70 Ultra Heat Treated samples

It will be seen from the above table that 11.38 per cent. of untreated samples and 3.96 per cent. of pasteurised milk samples taken in the course of retail delivery failed the methylene blue test (for cleanliness and keeping quality). These figures again leave no doubt where the

problem lies. For this reason the Department continued its programme of increased raw milk sampling.

Raw milk leaves no margin of safety as far as keeping quality is concerned, and must, particularly during warm weather, be produced under ideal conditions and retailed as soon as possible after production.

A breakdown of the pasteurised milk failure figure of 216 methylene blue test failures shows that 98 were processed and bottled in dairies licensed by Cheshire County Council and 118 were processed and bottled outside the Administrative County. With the exception of two dairies the failures were fairly uniformly dispersed throughout the various processors, taking into account the quantities of milk involved. Of the two 'problem' dairies one was a 'County Dairy'. Of the 98 failures from County Dairies, 76 of these were from the one 'problem' dairy. This dairy has now ceased to process and bottle milk. After correspondence and discussion with the 'Out County' dairy responsible for 36 of the 118 failures, and also with the appropriate County Health Inspector, an improvement was noticed towards the end of the year and I am pleased to report this has been maintained during the present year (1967). Investigations were carried out at several distributors' premises where the main reason for the failures was found to be the carrying over of milk from one day to the next. This applies particularly to shops. Improvements were also effected in storage facilities at dealers' premises in a number of instances.

At the end of 1965 the sale of Ultra Heat Treated milk, processed by a company in an adjacent authority, commenced in Cheshire. During 1966 the sale of Ultra Heat Treated milk has been continued by the above company. Another company, with two large dairies within the County, has commenced to sell, from these dairies, Ultra Heat Treated milk which has been processed outside Cheshire. This designation of milk is now on sale throughout the whole of the County and 70 samples were obtained and submitted for examination during the year. These all proved satisfactory.

In no case during the year was it considered necessary to institute statutory proceedings with a view to suspending or revoking a Dealer's Licence.

Washed bottles from Dealer's (Untreated) Licensed premises were collected by the sampling officers in the same way as for the pasteurising dairies, with the difference that in the case of dairies with hand bottle-washing arrangements three bottles only are taken on each occasion as opposed to six from the pasteurising dairies. A total of 268 washed bottles was submitted for rinse examination, of which 254 were satisfactory, six were fairly satisfactory and eight were unsatisfactory.

These good results compare favourably with last year. Thus the improvement reported then has been maintained.

(e) Milk in Schools Scheme

In view of the extreme importance attached to ensuring that all milk supplied under the above scheme (one-third pint each day to every school child while attending school) is clean and safe, all milk supplies under the scheme are subject to the approval of the County Medical Officer. The County Health Inspector's Section supervises all supplies by means of systematic sampling, and by routine inspections of processing dairies, milk storage and handling premises within their jurisdiction.

Any new supply proposed for any particular school is first referred by the Director of Education to the Health Department for approval.

So far as the approval of particular sources is concerned the aim is to provide a suitable supply of pasteurised milk. This aim has now been almost completely achieved.

As will be seen from the table at the end of this report only two of the schools in the County were being supplied with 'Untreated' (raw) milk. These are two isolated schools involving 46 pupils. It appears that under present circumstances and owing to the rural nature of these schools a supply of Untreated milk will have to be accepted for the present.

Pasteurised milk by virtue of the pasteurisation process is, of course, a 'safe' milk from the bacteriological standpoint whereas Untreated (raw) milk can be, and from time to time is, found to be infected with pathogenic organisms particularly brucella abortus.

With these factors in mind the sampling frequency is as follows:—

- (a) Schools receiving a supply of pasteurised milk. Twice yearly.
- (b) Schools receiving a supply of untreated (raw) milk. Monthly samples from the school and three sets of bulk herd samples taken at the farm per year.

No school in the County was without a supply of liquid milk at any time during the year.

During 1966, sampling of all school milk supplies throughout the County continued, all samples being collected in the course of retail delivery to the schools themselves. A total of 1,471 samples was collected, as compared with 1,529 in 1965. All the schools in the administrative county are sampled by the County Health Department milk sampling officers with the exception of the 32 schools in the area of Crewe Borough Council. Here the Borough Health Department carries out regular school milk sampling by arrangement with the County Health Department and notifies all results.

Of the 1,375 samples of pasteurised milk collected by the County Health Department 54 samples (3.9 per cent.) failed the methylene blue test (for cleanliness and keeping quality) and four samples failed the phosphatase test (for adequate pasteurisation).

It is interesting to note that of the 54 methylene blue test failures, 31 were processed and bottled at dairies outside the administrative County and that of the remaining 23 samples from milk processed and bottled in Cheshire 19 emanated from one dairy which was closed in September, 1966. The trouble at this dairy more than accounted for the increase of ten methylene blue failures over the 1965 figure of 44.

The four phosphatase test failures (incorrect processing) occurred in samples obtained on the same day from different schools but on milk which was processed at one 'out-County' dairy.

The Crewe Borough Council took 71 samples of pasteurised milk, of which nine failed the methylene blue test. All the schools in the Crewe area are supplied by the same 'out-County' dairy mentioned earlier in this report. Samples taken in the late summer proved satisfactory.

In addition to the methylene blue test the 25 samples of untreated raw milk which were collected from two schools were subjected to cultural and biological examinations as were six sets of herd samples involving 23 bulk milk samples from the two herds concerned. In no case was the organism of tuberculosis or brucellosis isolated.

The efficiency of the washing of school milk bottles at the dairies licensed by the County Council was checked by the collection of 264 washed school bottles from these dairies when the Sampling Officers were visiting for the purposes of other sampling under the Milk and Dairies Regulations. The results were as follows:—

TEST FOR BACTERIOLOGICAL CLEANLINESS OF BOTTLES

		Result			
		Satisfactory	Fairly	Unsatisfactory	
			Satisfactory		
1966	264	221	13	30
1965	396	324	23	49

The reason for the decrease in the number of bottles submitted for rinse examination is that fewer processing dairies are bottling school milk. These examinations showed that at two dairies the washing of school milk bottles was below standard. One of these dairies has now closed; at the other, difficulty was being experienced with using the same washer for both $\frac{1}{2}$ pint and 1 pint bottles. An adjustment was made to the washer and I am pleased to say that this has resolved the difficulties; all $\frac{1}{2}$ pint washed bottles submitted from this dairy during the current year (1967) have proved satisfactory.

I am pleased to report that the rectangular-shaped cartons now being supplied to the schools in one Educational Division in the western part of the County are still proving highly satisfactory. During the year there were no methylene blue test failures on the supply.

From a public health point of view cartoned milk has many advantages. As will be seen from the earlier part of this report about 16 per cent. of all one-third pint washed bottles examined did not come within the completely satisfactory category; the dangers of foreign objects and pieces of glass being in milk can to all intents and purposes be ruled out in the case of cartons, noise is reduced, the weight of a standard crate containing 72 one-third pint cartons is less than a crate of 30 one-third pint bottles, and the hazard of dirty and cracked bottles and of having glass bottles on school premises is ruled out completely. There are of course some disadvantages. For instance it is difficult to see if cartons are empty and very occasionally 'leaking' cartons do occur.

In addition to one-third pint cartons, quart cartons are also supplied to certain school canteens.

It is thus seen that a considerable amount of work is carried out to try to ensure that each day, while the schools are open, the whole of the 130,000 or so pupils who take school milk receive a food which is clean and free from all pathogenic organisms and is delivered in clean undamaged containers.

Occasional complaints do arise regarding dirty bottles, cracked or broken bottles, foreign bodies in the milk (including, sometimes, glass splinters), dirty condition of crates and unsatisfactory service. Cases of foreign bodies in the milk are dealt with by the Weights and Measures Department, which investigates and deals with the matters appropriately, if necessary instituting proceedings. The remaining matters are dealt with by the County Health Inspector, in some cases in co-operation with the local health departments.

In almost all instances, the bottles are satisfactorily dealt with at the schools, i.e. the bottles are emptied completely, caps and straws removed and the bottles placed for collection the next day. Under these circumstances and even though no rinsing of school milk bottles is carried out at the schools, the dairies should have no difficulty in seeing that all bottles are adequately cleansed before re-filling, thus complying with their legal responsibilities. In recent years, complaints of mis-use of school milk bottles on the school premises have become extremely rare although this point is raised from time to time by the various bottling dairies.

Tables are given below showing the sampling which was carried out during 1966 and the results of such sampling, also the position regarding school milk supplies at the end of the year.

SCHOOL MILK SAMPLES AND EXAMINATIONS, 1966

Type of Milk	Total Samples Collected	Phosphatase Test		Methylene Blue Test*	
		Passed	Failed	Passed	Failed
Pasteurised ...	1375	1371	4	1307*	54
Untreated ...	25	—	—	19	6
TOTAL ...	1400	1371	4	1326	60

*The Methylene Blue Test was void in 14 cases, owing to high atmospheric shade temperature.

At the end of 1966, the position in the County regarding school milk supplies could be summarised as follows:—

Type of Milk	Schools sampled by Cheshire C.C.		Schools sampled by Crewe M.B.		No. of Children† supplied	
	No. of different suppliers of milk	No. of schools supplied	No. of different suppliers of Milk	No. of schools supplied	Total	As percentage of total
Pasteurised ...	57	665*	1	32	129330	99.965
Untreated ...	2	2	—	—	46	0.035
TOTAL ...	59	667	1	32	129376	—

†Figures obtained from a census taken on a selected day in September, 1966.

*Includes 83 non-maintained schools.

(The Milk in Schools Scheme has applied to non-maintained schools since 1st September, 1956, and all children attending both maintained and non-maintained schools are entitled to one-third of a pint of milk free daily.)

(f) Public Health Laboratory Service

All milk and associated examinations are now carried out on behalf of the County Council by the Public Health Laboratory Service of the Ministry of Health. The Chester Laboratory is used for samples from all parts of Cheshire, except the north-east, samples from this area being dealt with by the Laboratory at Withington Hospital, Manchester.

STATISTICS, 1966

(1) Analysis of Milk Samples collected during 1966:

	UNTREATED MILK			PASTEURISED MILK			STERILISED & ULTRA HEAT TREATED MILK
	Biological and Cultural		Methylene Blue	Methylene Blue		Phos- phatase Test	Turbidity Test or Colony Count
	Total Pos.	T.B. cella Pos.	Total Sat. Fail Voids	Total Sat. Fail Voids	Sat. Fail	Phos- phatase Test	
Dairy Samples ...	—	—	—	1483 1465 17 1	1478 5	—	Total Sat. Fail
School Samples ...	25	—	—	1375 1307 54 14	1371 4	—	309 309
County Premises ..	—	—	—	133 132 1	133	—	—
Dealer Samples ...	2531	30	2672 2309 301 62	3934 3682 161 91	3933 1	—	737* 737*
Farm Samples ...	2229	50	—	—	—	—	—
Individual Cow ...	1271	55	—	—	—	—	—
TOTALS ...	6056	135	2697 2328 307 62	6925 6586 233 106	6915 10	—	1046* 1046*

*Including 70 Ultra Heat Treated.

(2) Results of Bottle Examinations:

				Satisfactory	Fairly Satisfactory	Un- Satisfactory	Total
Pasteurising Dairies	...	...	...	1183	46	105	1334
Untreated Bottling Dairies	...	...	...	268	6	8	282
TOTALS	...	...	...	1451	52	113	1616

(3) Summary of all Samples collected during 1966:

From Milk Pasteurising and Sterilising Establishments	1792
In course of delivery to Schools	...
In course of delivery to other County Establishments	133
From dealers, including producer-retailers and milk-vending machines	...
From Farms, including individual cow samples for biological and cultural examination	...

Total Milk Samples collected ... 14027

Washed bottles submitted for examination ... 1616

Total specimens submitted ... 15643

B. SCHOOL SWIMMING POOLS

Swimming instruction forms an important part of physical education for the older children from the County Junior Schools and pupils from Secondary and Grammar Schools. Bathing facilities have until recent years been arranged where practically possible at the nearest public or, in three instances, privately-owned pools. In many cases, owing to the distance of the pool from the school, transport has to be arranged, with obvious disadvantages and complications.

In recent years a number of schools have financed the construction of their own swimming pools. The County has carried out further improvements to three of these: Calday, Lymm and Christleton; including enclosure and heating and the provision of changing and sanitary accommodation. These three pools are now used by a number of schools situated in their particular division.

The Cheshire Education Committee issued a memorandum in February, 1962, on their policy for the 'Provision of Swimming Baths'. This laid down that all pools must be provided with a filtration plant (including automatic chlorination equipment) satisfactory to the Principal School Medical Officer. A conference of officials from the County Architect's, Health and Education Departments respectively, was held in January, 1966, when the present arrangements for dealing with swimming baths at county primary and secondary schools were considered in detail. Subject to minor amendments regarding day-to-day maintenance and annual servicing, it was agreed that the arrangements were satisfactory.

There are now 11 schools in the County with their own pools. A Scheme to build a further indoor pool is in abeyance owing to the current financial restrictions.

Details of the pools in use are as follows:—

1. KING'S SCHOOL, CHESTER
37,000 gallons capacity. Pressure sand filter. Automatic chlorinator using chlorine gas. Indoor, heated.
2. CALDAY GRANGE COUNTY GRAMMAR SCHOOL
95,500 gallons capacity. Diatomaceous earth filter. Automatic chlorinator using chlorine gas. Indoor, heated.
3. CAPENHURST GRANGE SPECIAL SCHOOL
'Purley' Learner Pool. 4,200 gallons capacity. Purley 'filtration' and liquid hypochlorite automatic chlorinator. Outdoor, not heated.
4. CHRISTLETON COUNTY SECONDARY SCHOOL
80,000 gallons capacity. Diatomaceous earth filter. Automatic chlorinator using chlorine gas. Indoor, heated.
5. ASTLEY COUNTY GRAMMAR SCHOOL, DUKINFIELD
72,000 gallons capacity. Diatomaceous earth filter. Automatic chlorinator using chlorine gas. Outdoor, not heated.
6. GREASBY COUNTY JUNIOR SCHOOL
Learner Pool. 14,000 gallons capacity. Diatomaceous earth filter. Liquid hypochlorite automatic chlorinator. Outdoor, not heated.

7. LYMM GRAMMAR SCHOOL
76,000 gallons capacity. Pressure sand filter. Automatic chlorinator using chlorine gas. Indoor, heated.
8. NORBURY BOOTHES COUNTY JUNIOR SCHOOL, KNUTSFORD
Learner pool. 15,000 gallons capacity. Diatomaceous earth filter. Liquid hypochlorite automatic chlorinator. Outdoor, not heated.
9. SANDBACH GRAMMAR SCHOOL
80,000 gallons capacity. Diatomaceous earth filter. Automatic chlorinator using chlorine gas. Outdoor, heated.
10. STOCKTON HEATH CHURCH OF ENGLAND AIDED PRIMARY SCHOOL
Learner pool. 15,000 gallons capacity. Diatomaceous earth filter. Liquid hypochlorite automatic chlorinator. Outdoor, heated.
11. GORSEY BANK COUNTY PRIMARY SCHOOL, WILMSLOW
Learner pool. 18,750 gallons capacity. Diatomaceous earth filter. Liquid hypochlorite automatic chlorinator. Outdoor, heated.

The enclosed pools do, of course, enable swimming instruction to be given all the year round. With our English weather, outdoor pools can only receive a very limited use. The provision of electric water-heating apparatus at a further two of the outdoor learner pools now means that only two—Astley County Grammar School and Capenhurst Grange Special School—do not have heated swimming pool water. Experience has shown that schools with outdoor heated pools enjoy almost double the swimming season of those not having heated water. At one of the learner pools a canvas marquee on a wooden frame has been erected over the pool and surround. This also has improved conditions and further extended the season.

Regular routine visits by the County Health Inspector or his Deputy were made in 1966, during the period when the pools were in use, and any problems which may have arisen were discussed. Records kept by the person in charge of the pool were inspected and a check was made of the residual chlorine in the water, and the pH value. Also a check is carried out on the condition of the footbath to ensure that this is satisfactory.

Samples for bacteriological examination were also taken and submitted to the Public Health Laboratory Service for examination. Normally three samples were taken on each occasion, one each from the inlet, outlet and centre section of the pools. By this means, a representative picture was obtained of the bacteriological condition of the water in the pool.

The two recognised methods of operating chlorination in a swimming bath are referred to as 'marginal' and 'breakpoint' chlorination. The difference between the two is quite simple, a difference in the nature of the chlorine residual carried in the bath water. In Cheshire, breakpoint chlorination is used at the four enclosed pools and marginal chlorination at the outdoor. For marginal chlorination, the residual is almost entirely combined chlorine (chloramine) and we use a recommended residual chlorine figure of between 0.5 and 1.0 parts per million. The Ministry of Health originally recommended

that the total chlorine, as determined by the ordinary orthotolidine test (one of these testing sets is provided at all our pools) should be maintained at a concentration not less than 0.2 or more than 0.5 parts per million, but in practice this is found to give insufficient reserve to allow of effective control under conditions of varying load. Hence the higher recommended figures now in use. In the case of breakpoint chlorination the pools operate with a total residual chlorine in excess of 1.0 part per million and of this approximately 0.2 to 0.5 parts per million will be free chlorine residual. These readings are taken at the outlet end of the pools and, of course are aimed at ensuring the rapid destruction of harmful organisms. These levels of residual chlorine can be perfectly well tolerated, and indeed if complaints of eye irritation do arise they are almost always due to failure to maintain a correct pH value throughout the pool. (The pH value is an indication of the acidity or alkalinity of the water, a value of 7.0 being neutral, and values below 7.0 indicating increasing acidity, and above 7.0 alkalinity). Swimming pool water must be maintained within the pH range of 7.4 to 8.0, and it is important to check this reading frequently in addition to the figure of residual chlorine. Pools in which chlorine gas is used tend to become increasingly acid, and it is necessary to provide continuous dosing with alkali to correct this. On the other hand, pools in which hypochlorite solutions are used do not usually require other chemical treatment to maintain a satisfactory pH value, though occasionally in this case the water may become too alkaline, when it is necessary to add some form of acid to correct the position.

At the time of writing this report (June, 1967), and following a report that a certain chemical used for testing residual chlorine was carcinogenic, all schools are being re-equipped with Swimming Pool Water Testing Kits using the D.P.D. method.

A total of 222 water samples were taken during 1966; this was an increase on the 1965 figure when 185 samples were submitted. Of the 222 pool water samples taken 219 were satisfactory and three were unsatisfactory. The three unsatisfactory samples were associated with three inspections at two different pools. On two of these occasions the condition of the pool water was satisfactory but the pool was being subjected to a heavy bathing load and it is thought that these results were due to a heavy local contamination in the pool water immediately prior to sampling. On the other occasion the result was anticipated as the residual chlorine was low. The necessary action to remedy this was immediately taken, repeat samples proved satisfactory and no further difficulties were experienced.

No outbreaks of illness or foot or other conditions associated with the use of swimming pools have been reported at schools having or using school pools.

The need for having a suitably trained person with time to devote to ensure that the filtration and chlorination plant is properly maintained and working satisfactorily and to take regular readings of the

condition of water in the pool cannot be over-emphasised. The condition of the water in a pool with fluctuating bathing-load can change very quickly, necessitating plant adjustment, particularly of the chlorinator. I am pleased to say that at each of our pools there is a responsible person in charge, and I feel that their efforts, coupled with the routine inspections and advice given by the County Health Inspectors have made a big contribution to the excellent record reported above.

C. WATER SUPPLIES, SEWERAGE AND SEWAGE DISPOSAL

During 1966, work on many schemes was in progress throughout the County, and many other schemes were in process of preparation and consideration. In the rural areas work goes on in providing sewerage facilities for the smaller villages and hamlets and in providing extended facilities where development has been taking place rendering the existing provision inadequate. In the case of water supplies mains are gradually being extended to all but the most isolated and scattered properties, and works are also being carried out to improve existing supplies and to provide for new development.

1. FLUORIDATION OF WATER SUPPLIES

As reported last year this question was referred back to the Health Committee by the County Council in February, 1966, and the Health Committee subsequently decided to reconsider the matter at a later date. A further Report on the Fluoridation of the Water Supplies of the County was submitted to the County Health Committee in June, 1967, but before reaching a decision the Committee felt the need to be acquainted with the up-to-date views of the constituent County District Councils. Accordingly, all the District Councils have been asked to reconsider the matter and to let the County Council know their current views. At the time of writing this Report, these views are still in process of being received.

2. FINANCIAL ASSISTANCE TO DISTRICT AUTHORITIES

For the Financial Year, which ended on 31st March, 1966, a total of £39,195 was contributed by the County Council to the County District Councils, who qualified for assistance either under Section 56 of the Local Government Act of 1958 or under the Rural Water Supplies and Sewerage Acts.

In the Financial Year, which ended on 31st March, 1967, the total was £36,721.

During the year 1966, six schemes of water supply estimated to cost £19,340 and nine schemes of sewerage and sewage disposal estimated to cost £329,736, were considered by the Department and brief outlines of these schemes are given below.

(a) Water Supplies

(i) *Mid-Cheshire Water Board*

Water supply extension scheme at Ebnal, Malpas, at an estimated cost of £290. The scheme provides for the laying of 105 yards of 4-inch main to enable a piped supply to be taken to a farm at present served by an inadequate well supply.

Water supply extension scheme at Burton Lane, Clotton Hoofield, at an estimated cost of £936. The scheme provides for the laying of 455 yards of 3-inch main to enable a piped supply to be taken to a proposed new farm and buildings.

Water mains extension scheme at New Road in the Parish of Moreton, Congleton Rural District at an estimated cost of £4,800. The scheme consists of the laying of 2,403 yards of 4-inch water main between Ackers Crossing and the Congleton-Newcastle Road (A.34) which will enable 14 properties to be given a mains water supply for the first time. In addition a further 19 properties, which could now be supplied from an existing main, will cease to take their supply from a private source and will be connected to a mains supply. The present private supply to all properties concerned is from a spring source which is unsatisfactory in quality.

(ii) *Stockport and District Water Board*

Water supply scheme for parts of the Mellor Moor and Strines areas of Marple Urban District within the Board's area of supply at an estimated cost of £9,284. The scheme will involve the laying of 4,420 yards of 4-inch main to take a piped supply of water to 40 properties in the area known as Cobden Edge and The Banks at Mellor Moor and the Lower Cliff area of Strines. Present supplies are from springs most of which are unsatisfactory both in quality and quantity.

(iii) *Manchester Corporation*

Two water supply schemes in Mottram at:—

Rabbit Lane at an estimated cost of £1,480. The scheme provides for the laying of 310 yards of 3-inch pipe to give a supply to eight properties, the present supply is from unreliable and polluted springs.

Pingot Lane at an estimated cost of £2,550. The scheme provides for the laying of 920 yards of 3-inch main from an existing main in Gorsey Brow to give a supply to seven properties in Pingot Lane. The current situation is that four of the seven houses have a piped supply laid on and the remaining three carry their water from a stand pipe. The water for all these points is via an old privately owned 1-inch iron pipe which is corroded, and during the winter months becomes frozen for long periods.

This scheme was approved, subject to the Manchester Corporation being recommended to consider extending the main in a North Easterly direction along Pingot Lane to include three additional properties (a pair of semi-detached cottages known as 'Hague End' and 'Far Away' and premises known as 'Pear Tree Farm') which are at present served by a spring, and to consider re-routing the proposed main from Gorsey Brow to the properties in Pingot Lane, via Hague Road, Broadbottom and along the drive to Little Hill Farm, so as to provide a mains supply to four further properties, situated in Hague Road which, at present, are also served by springs.

(b) Sewerage and Sewage Disposal

(i) Bucklow R.D.C.

Provision of surface water sewers at an estimated cost of £35,000 in connection with a sewerage and sewage disposal scheme to provide for new development in the village of High Legh.

The work involves the laying of approximately 1,170 yards of sewer varying in diameter between 30 and 18 inches. It is proposed as an interim measure to deal with the foul drainage at an existing works belonging to the Home Office, which the Rural District Council intended to acquire.

This scheme was approved subject to the Rural District Council being asked to (i) indicate its intentions as to the long term arrangements for the conveyance, treatment and disposal of the foul sewage from the development area which will be required to replace the interim use of the existing Home Office works; and (ii) lay the section of 18-inch surface water sewer which runs along West Lane, in the fields adjacent to the highway and not within highway limits.

The ultimate long term arrangements of the Rural District Council as in (i) above were later reported and received.

(ii) Chester R.D.C.

Sewerage scheme for the Strawberry Corner area of Little Stanney at an estimated cost of £17,000.

The original scheme provided for the laying of 813 yards of 6-inch foul sewer, discharging by gravity into the head of the existing sewer of the Ellesmere Port Borough Council on Chester Road. It will serve 29 existing properties, with ample capacity for any infilling which may occur. A further three properties, which are detached from the remainder, will be provided with main drainage facilities by the installation of a small pumping station to lift the flow into an existing sewer which drains adjacent properties into the head of the Borough Council's sewer.

Sewage entering the Borough system as a result of these works will be treated at the Borough's Disposal Works by agreement between the Rural District Council and the Borough Council.

The cost of the original scheme as above was estimated at £13,000, but following subsequent site investigations by the Consultants advising the Rural District Council, by way of trial holes, it had been found that there is a multiplicity of services in the area at a depth which makes a gravity system impossible. The Consultants had advised the Rural District Council that it would be necessary for the sewers to be deepened and pumping to be adopted to convey the sewage from the properties concerned to the adjacent system of the Ellesmere Port Borough Council. This had led to an increase of £4,000 in the estimated cost, making the total £17,000.

The scheme was approved subject to the crossing of the trunk road A5117 by the sewer being made by way of thrust bore and not an open trench.

Sewerage and sewage disposal scheme for the villages of Dodleston and Balderton at an estimated cost of £90,000. The scheme provides for the laying of 3,190 yards of 6-in.—12-in. sewer and a pumping station at Balderton with 2,340 yards of 6-inch pumping main to convey the flow from the area to the sewage pumping station of the Chester City Council at Green Lane. The flow would then be conveyed via the City's system to their disposal works at Sealand Road for treatment under agreed terms. The scheme provides for 104 existing properties, and for possible future development of which 34 are classed as 'imminent', and further infilling.

(iii) Macclesfield R.D.C.

Sewerage scheme for the Parish of Chorley at an estimated cost of £26,086.

This scheme provides for the laying of 2,615 yards of 6-in. foul sewers and the provision of a pumping station and 315 yards of 4-in. rising main; to discharge via a recently completed outfall sewer into the new works of the Alderley Edge and Wilmslow Joint Sewerage Board at which the sewage will be treated by agreement. The scheme will serve 112 existing properties and provision is made for any infilling which may occur.

The scheme was approved provided that any part of the sewer laid in Upcast Lane at a depth less than four feet was surrounded by six inches of concrete.

Sewer extension scheme at The Coppice Wards End, Poynton at an estimated cost of £3,000. The scheme provides for the laying of 742 yards of 6-inch gravity sewer as an extension to the existing sewer at Ward End Bridge to provide drainage facilities for 19 existing properties and any infilling which may occur.

Approval was given for this scheme subject to the Rural District Council being requested to investigate the possibility of improving the gradient of the proposed sewer between the head of the existing sewer and a specified manhole.

(iv) Nantwich Rural District Council

Sewerage and sewage disposal scheme for the village of Bulkeley at an estimated cost of £75,000. The scheme provides for the laying of 2,368 yards of 6-inch sewer and 652 yards of 9-inch sewer and will serve 67 existing properties plus an imminent development of 20 properties. The sewers will have considerable reserve capacity beyond this initial requirement and the works will be designed in the first place on the basis of 120 properties, with provision for duplication at any time should it be necessary. The works will be sited on a field adjacent to Bulkeley Mill.

This scheme was approved subject to the Rural District Council being requested to consider the inclusion of seven further adjacent properties within the scope of the proposed scheme. The properties were—White House Farm and Springfield Cottage which lie to the south of A534, and three cottages, a detached house known as 'The Croft' and a caravan which is used as a permanent residence, all of which are situated to the west of the Red Lion Inn on the A534.

(v) Northwich Rural District Council

Sewerage and sewage disposal scheme for the village of Crowton at an estimated cost of £30,350. The scheme provides for the laying of 2,357 yards of 6-inch foul sewers, 260 yards of 4-inch rising main, and the provision of a treatment works, and will serve 53 existing properties and some 47 proposed properties.

The scheme was approved subject to the Rural District Council being asked (i) to agree to the section of sewer between certain man-holes being laid by the County Council when work on a scheme for the re-alignment of Kingsley Road at Norley Lane junction is being carried out by the County Roads and Bridges Department thus avoiding the new road works being disturbed at a later date; (ii) to position the proposed manholes in Kingsley Road and Station Road so as to avoid the need to close these two roads to traffic during work on the scheme.

(vi) Runcorn Rural District Council

Sewerage and sewage disposal scheme for the village of Antrobus at an estimated cost of £38,000. The scheme provides for the laying of 1,558 yards of 6-inch sewer and the provision of a disposal works and will serve 39 existing properties and 34 proposed properties classed as 'imminent' development and further infilling.

(vii) *Wilmslow U.D.C.*

Sewerage scheme for the Racecourse Road area of Wilmslow at an estimated cost of £15,300.

The scheme will provide facilities for the unsewered part of the area which is situated adjacent to Lindow Common and about one mile from the town centre—it is, nevertheless, a 'rural locality', the properties being of the cottage type, smallholdings, poultry farms and the like. The works include the laying of about 1,000 yards of main foul sewer, 550 yards of foul 'spur' sewers, the provision of a pumping station and 175 yards of 'rising main' to lift the flow into the main town sewerage system.

A total of 43 properties will be served which at present have septic tanks or pail closets.

3. MINISTRY OF HOUSING AND LOCAL GOVERNMENT INQUIRIES AND INVESTIGATIONS

During the year, Inspectors of the Ministry held Inquiries or Investigations into the following schemes, and on each occasion the Department was represented by the County Health Inspector or his Deputy.

6th January—Chester Rural District Council: Mickle Trafford and Guilden Sutton Sewerage and Sewage Disposal Scheme.

17th March—Middlewich Urban District Council: Comprehensive Sewerage and Sewage Disposal Scheme.

20th April—Tarvin Rural District Council: Barton Sewerage and Sewage Disposal Scheme.

10th to 13th May—(Planning Inquiry): Proposal to erect Fertiliser Factory at Ince Marshes.

8th July—Tarvin Rural District Council: Extension to Sewage Disposal Works at Waverton.

17th August—Winsford Urban District Council: Sewerage of Over and St. Johns areas.

9th November—Stalybridge and Dukinfield Joint Sewerage Board: Proposed new Sewage Disposal Works.

D. GENERAL

1.—LIAISON WITH COUNTY PLANNING DEPARTMENT.

An arrangement is in operation whereby applications for approval of development under Planning Legislation where the proposals have a public health significance and upon which the Planning Officer would like a public health opinion at County level, are submitted to the Department for consideration and comment.

During the year 1966, twenty-one such applications were dealt with, as follows, and in each case full consideration of all aspects took place, and the Department's opinion given for the assistance of the Planning Officer:—

Use of land for refuse or industrial waste tipping ...	...	10
Sewage pumping stations ...	...	3
Sewage disposal works ...	...	3
Erection of 'Readymix' concrete plant ...	...	1
Residential development and sewage disposal therefor ...	...	1
Residential development near to sewage disposal works ...	...	1
Extensions to slaughter house ...	...	1
Use of premises for nursery play group ...	...	1

2.—LIAISON WITH COUNTY SURVEYOR'S DEPARTMENT

For some years the County Council has allowed the discharge of effluents into its road surface water drains subject to a number of conditions and safeguards.

All applications received by the County Surveyor for permission to make such connections are referred to this Department as well as to the County District Councils (in the case of private development) and to the appropriate River Authority.

The Department considers each case on its merits, particularly with regard to the type of treatment to be installed and the ultimate outfall of the surface water drain, and also as to whether any other means of disposal are available.

The County Surveyor is then advised as to whether it is considered that the connection should be allowed. In many cases it is recommended that connections should only be allowed if certain conditions are complied with, and in this connection care is taken to see that the treatment plant is adequate both in design and in size to ensure that an effluent of reasonable purity can be discharged to the County Council's drain and thence to the watercourse. In all cases an adequate form of secondary treatment of the septic tank effluent is insisted upon.

If the connection is allowed, a tripartite agreement is entered into to protect the County Council's position, and the District Council is

responsible for seeing that the means of treatment provided are properly constructed, and for making inspections at six-monthly intervals to ensure satisfactory maintenance and efficient working.

During 1966, a total of five applications was dealt with.

3.—ATMOSPHERIC POLLUTION

The 1965 Report contained details regarding the proposed installation of atmospheric pollution monitoring stations to serve the Runcorn New Town area.

It was agreed that three instruments should be set up in parts of the New Designated Area then situated in the Runcorn Rural District and it was decided that these instruments should be similar to the two the County Council installed in co-operation with the Northwich and Tarvin Rural District Councils, i.e. eight day semi-automatic samplers for the measurement of smoke and sulphur dioxide.

The Runcorn Rural District Council intimated that it could not agree to provide these instruments themselves, but would operate them and carry out the necessary titrations, assessments and reporting if the County Council would bear the capital cost.

The County Council agreed to this procedure and the three instruments have been installed.

However, the areas involved have now been passed over to the Runcorn Urban District Council, for administrative purposes, so that the three instruments are now being maintained and serviced by the Runcorn Urban District Council instead of by the Runcorn Rural District Council.

4. NURSING HOMES, OLD PERSONS' HOMES AND DISABLED PERSONS' HOMES

At the end of 1963, arrangements were made whereby the County Health Inspector assists with inspections of these premises in connection with their registration under the Public Health Act, 1936, and the National Assistance Act, 1948.

All matters of environmental health are dealt with at these inspections including size, equipment and suitability of rooms to be used by patients or residents and staff, sanitary and washing accommodation, facilities for the storage, preparation and cooking of food, the structural and hygienic condition of the premises, and their general suitability for the purpose proposed. Where improvements are necessary advice is given as to the best way of achieving these and revisits made as necessary.

During 1966, 14 such inspections were made, all to Old Persons' Homes, and in addition three inspections were made of premises proposed to be used for Day Nurseries.

5. INTENSIVE FARMING

The 1965 Report contained a reference to the rapid extension of intensive or 'factory' farming methods in the last few years, and to the problems which have followed.

The Cheshire Working Party Report on Public Health Problems of Intensive Farming was also commented upon. This Report has received wide commendation, and over one thousand copies has now been distributed, both in this country and abroad.

The subject was also discussed at the Annual Conference of the Association of Public Health Inspectors held in Eastbourne in September, 1967, when Mr. W. Pembleton, County Health Inspector, opened the discussion. The Conference unanimously passed in Resolution urging the Government to set up at once a working party to investigate planning and public health problems caused by the continuing growth of intensive farming methods.

APPENDIX OF STATISTICS

1966

TABLE A

Deaths by Causes.—Sex—

■ Each County District

TABLE B

Deaths by Causes.—Sex; Age—

■ Urban Districts, Rural Districts

TABLE C

Statistical Summary of enumerated and estimated population, area, births and deaths, birth rate and death rate, deaths of infants, infantile mortality, deaths from each of principal zymotic diseases, corresponding zymotic death rate, for each County District

TABLE A (Urban i)

CAUSES OF DEATH					Alderley Edge U.D.		Alsager U.D.		Altrincham M.B.		Bebington M.B.		Bollington U.D.		Bowdon U.D.		Bredbury and Romiley U.D.		Cheadle and Gatley U.D.		Congleton M.B.		Crewe M.B.		Dukinfield M.B.		Ellesmere Port M.B.		Hale U.D.		Hazel Grove and Bramhall U.D.		Hoylake U.D.		Hyde M.B.	
					M. 38	F. 30	M. 44	F. 37	M. 262	F. 260	M. 330	F. 333	M. 41	F. 45	M. 24	F. 42	M. 141	F. 146	M. 232	F. 256	M. 94	F. 134	M. 365	F. 296	M. 134	F. 105	M. 223	F. 185	M. 78	F. 92	M. 164	F. 146	M. 218	F. 230	M. 242	F. 267
ALL CAUSES	...	...	...	...																												
1. Tuberculosis, Respiratory	...	...	...	...	—	—	—	—	2	—	2	1	—	—	—	—	—	—	—	1	1	—	—	2	—	—	—	—	—	—	—	1	1	2	2	
2. Tuberculosis, Other	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. Syphilitic Disease	...	...	...	...	—	—	—	—	1	—	2	2	—	—	—	—	1	—	—	1	—	—	—	1	—	—	—	—	—	—	1	1	1	1		
4. Diphtheria	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Whooping Cough	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. Meningococcal Infections	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	—	—	—	—	—	—	—	
7. Acute Poliomyelitis	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. Measles	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	
9. Other Infective and Parasitic Diseases	...	...	...	...	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	2	1	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—
10. Malignant Neoplasm, Stomach	...	...	...	...	—	1	2	—	12	7	7	5	—	3	—	—	2	5	7	3	4	3	9	7	1	5	6	2	4	—	5	—	6	5	11	5
11. Malignant Neoplasm, Lung Bronchus	...	...	...	...	2	—	2	3	19	2	30	8	5	2	—	—	17	3	17	5	5	—	25	4	8	1	26	3	4	3	10	1	16	6	19	1
12. Malignant Neoplasm, Breast	...	...	...	...	—	—	—	—	—	9	1	10	—	1	—	2	—	8	—	10	—	3	—	8	—	2	—	8	—	2	—	4	—	5	—	7
13. Malignant Neoplasm, Uterus	...	...	...	...	—	1	—	—	—	—	—	6	—	2	—	—	—	2	—	5	—	4	—	6	—	—	—	—	2	—	3	—	2	—	5	
14. Other Malignant and Lymphatic Neoplasms	...	...	...	...	4	1	4	3	27	24	38	35	4	1	2	4	11	16	23	21	6	11	29	22	10	8	18	14	6	7	17	14	24	18	21	23
15. Leukaemia, Aleukaemia	...	...	...	...	—	—	—	—	1	1	1	2	—	—	—	—	1	1	2	2	—	—	1	—	1	—	—	1	—	—	—	—	1	2	—	—
16. Diabetes	...	...	...	...	—	—	—	1	2	4	1	5	1	—	—	—	—	—	—	1	2	1	1	1	—	—	3	1	—	1	3	2	2	—	1	
17. Vascular Lesions of Nervous System	...	...	...	...	3	7	2	4	40	50	22	44	4	9	5	7	18	25	29	61	14	31	60	59	23	17	18	32	10	19	23	31	22	44	32	46
18. Coronary Disease, Angina	...	...	...	...	7	3	9	5	56	37	116	71	12	5	7	4	36	19	63	43	25	19	63	41	26	13	55	40	24	13	40	39	75	55	53	56
19. Hypertension with Heart Disease	...	...	...	...	1	—	3	1	2	6	1	7	—	1	—	1	1	5	1	2	—	2	3	10	1	—	—	2	3	3	—	1	—	4	1	2
20. Other Heart Disease	...	...	...	...	4	4	3	4	17	35	15	33	1	4	2	8	11	20	14	25	8	19	18	40	16	11	15	23	6	16	13	8	19	18	18	21
21. Other Circulatory Disease	...	...	...	...	1	3	1	2	18	9	6	10	1	4	—	3	4	6	9	15	6	8	17	14	3	6	2	4	1	1	10	10	12	8	5	7
22. Influenza	...	...	...	...	—	—	—	1	3	5	—	—	—	1	1	—	1	1	—	1	—	—	1	—	3	3	1	—	—	—	—	1	—	1	—	2
23. Pneumonia	...	...	...	...	3	2	2	2	9	5	22	37	2	1	—	2	10	7	8	14	3	8	13	10	9	15	14	12	2	4	1	10	8	19	21	32
24. Bronchitis	...	...	...	...	6	2	6	2	17	10	21	5	3	3	—	1	10	3	17	8	8	3	50	11	9	7	14	4	5	2	15	3	12	6	22	7
25. Other Diseases of Respiratory System	...	...	...	...	—	—	—	—	—	3	3	2	1	—	2	1	—	2	2	2	—	—	2	—	3	2	4	—	1	1	1	—	2	—	2	2
26. Ulcer of Stomach and Duodenum	...	...	...	...	—	—	—	—	3	2	1	—	1	1	—	1	3	—	3	—	—	—	1	1	2	—	1	1	1	—	3	—	1	3	3	1
27																																				

TABLE A (Urban ii)

CAUSES OF DEATH				Knutsford U.D.		Longden- dale U.D.		Lymm U.D.		Maccles- field M.B.		Marple U.D.		Middle- wich U.D.		Nantwich U.D.		Neston U.D.		Northwich U.D.		Runcorn U.D.		Sale M.B.		Sandbach U.D.		Staly- bridge M.B.		Wilmslow U.D.		Winsford U.D.		Wirral U.D.				
				M. 87	F. 120	M. 43	F. 41	M. 48	F. 46	M. 297	F. 332	M. 116	F. 115	M. 39	F. 37	M. 75	F. 80	M. 72	F. 93	M. 135	F. 129	M. 161	F. 139	M. 275	F. 317	M. 71	F. 67	M. 154	F. 146	M. 138	F. 146	M. 100	F. 78	M. 133	F. 144			
ALL CAUSES	...	...	...	...																														
1. Tuberculosis, Respiratory	...	...						2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	—	—	—	1	—		
2. Tuberculosis, Other	...	...	...	...	—	—	—	—	1	—	—	—	—	—	—	—	—	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—		
3. Syphilitic Disease	...	...	...	...	—	—	—	—	1	2	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—		
4. Diphtheria	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Whooping Cough	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. Meningococcal Infections	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. Acute Poliomyelitis	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. Measles	...	...	...	...	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—		
9. Other Infective and Parasitic Diseases	...	...	...	...	—	—	—	—	1	—	—	—	—	—	—	1	—	—	—	—	—	1	—	—	—	—	—	—	1	2	—	—	—	—		
10. Malignant Neoplasm, Stomach	...	...	...	...	1	2	3	1	1	3	7	9	3	1	2	1	1	3	6	3	7	3	6	5	1	1	2	1	3	2	—	1	1	2		
11. Malignant Neoplasm, Lung Bronchus	7	—	3	—	4	—	9	3	9	2	1	1	6	1	4	3	10	3	18	1	23	6	2	—	7	1	10	2	5	2	12	1		
12. Malignant Neoplasm, Breast	...	...	...	...	—	4	—	1	—	—	—	8	—	8	—	3	—	4	—	2	—	9	—	10	—	8	—	—	7	—	7	—	2	—	4	
13. Malignant Neoplasm, Uterus	...	...	...	...	—	—	—	1	—	2	—	7	—	1	—	2	—	1	—	2	—	4	—	3	—	1	—	—	3	—	—	—	—	—	4	
14. Other Malignant and Lymphatic Neoplasms	4	6	3	5	6	6	29	19	10	10	4	1	4	4	5	9	9	17	12	13	22	32	7	5	12	9	10	14	8	10	13	13		
15. Leukaemia, Aleukaemia	...	...	...	...	1	—	—	—	—	—	2	1	1	1	—	—	—	—	1	—	2	—	1	1	—	1	—	2	1	—	1	—	—	1	—	
16. Diabetes	...	...	...	...	1	1	—	1	1	1	1	2	—	—	—	—	—	3	3	—	1	—	2	1	2	1	1	2	—	—	1	—	1	—	—	
17. Vascular Lesions of Nervous System	20	31	11	6	7	10	32	64	19	18	5	7	19	20	9	16	18	38	13	28	40	61	14	9	20	23	20	29	8	12	21	36		
18. Coronary Disease, Angina	11	17	6	9	13	8	76	56	23	12	8	5	18	10	25	16	30	15	43	25	82	53	18	14	38	24	40	26	27	10	37	29		
19. Hypertension with Heart Disease	1	—	—	1	2	—	2	7	2	5	—	1	—	2	1	1	—	3	6	8	2	5	—	—	2	3	2	1	—	—	3	2		
20. Other Heart Disease	7	13	2	5	2	4	28	48	8	7	4	7	3	9	3	6	16	17	9	11	15	36	2	7	7	11	9	16	11	12	4	10		
21. Other Circulatory Disease	3	3	2	3	1	5	8	9	9	5	—	—	3	2	2	6	6	8	8	11	13	24	2	3	6	9	10	11	4	2	3	4		
22. Influenza	...	...	...	...	2	5	—	—	1	—	—	3	—	—	—	1	—	—	—	—	2	—	4	2	4	4	—	1	—	1	2	1	—	—	1	
23. Pneumonia	1	2	1	3	4	—	38	42	7	13	—	—	5	7	8	8	3	1	6	3	6	15	1	—	8	15	6	5	3	1	3	20		
24. Bronchitis	7	3	5	—	4	—	25	6	8	3	3	1	10	3	2	4	12	4	17	1	16	12	6	4	17	9	7	3	9	2	9	1		
25. Other Diseases of Respiratory System	2	1	1	—	—	—	3	—	2	2	—	—	1	1	—	—	—	—	2	1	3	2	1	—	3	2	1	1	1	2	7	—		
26. Ulcer of Stomach and Duodenum	1	—	—	1	—	1	1	1	1	—	2	—	—	—	—	—	2	1	1	—	—	2	—	1	1	1	1	—	—	1	2	—	—	
27. Gastritis, Enteritis and Diarrhoea	—	—	—	—	—	—	—	2	1	—	—	—	—	1	—	—	—	—	2	—	1	3	—	—	—	2	—	—	—	—	—	—		
28. Nephritis and Nephrosis	—	—	—	—	—	—	2	1	—	1	—	—	1	—	1	—	3	—	1	1	—	—	—	—	2	1	—	2	1	—	2	1		
29. Hyperplasia of Prostate	—	—	1	—	—	—	—	—	1	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—		
30. Pregnancy, Childbirth, Abortion	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
31. Congenital Malformations	1	—	—	1	—	1	—	1	1	2	—	—	—	1	1	1	1	—	—	2	3	1	1	—	—	—	—	1	3	2	—	—	2	
32. Other Defined and Ill-defined Diseases	14	26	3	3	2	2	18	26	8	16	7	5	2	11	3	11	7	6	8	6	25	28	10	17	13	21	6	11	14	17	13	11		
33. Motor Vehicle Accidents	2	2	1	—	—	2	6	3	1	1	1	1	—	1	—	2	—	3	4	7	4	3	2	1	3	3	1	1	1	1	—	1		
34. All Other Accidents	—	—	1	—	—	—	6	9	1	6	—	1	—	—	—	—	3	—	—	1	4	7	1	1	5	2	1	3	2	1	1	1		
35. Suicide	—	3	—	—	—	—	1	2	1	1	2	—	—	1	1	1	1	1	—	—	2	1	—	—	5	—	4	—	2	—	1	1		
36. Homicide and Operations of War	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
LIVE BIRTHS—Total	78	84	75	54	86	73	380	365	225	188	80	87	100	99	178	184	114	154	294	269	535	487	95	92	173	157	273	214	199	194	246	217		
Legitimate	72	83	69	52	84	70	345	329	221	182	76	84	97	88	173	176	106	143	275	253	509	464	91	87	162	143	259	201	195	186	233	212		
Illegitimate	6	1	6	2	2	3	35	36	4	6	4	3	3	11	5	8	8	11	19	16	26	23	4	5	11	14	14	13	4	8	13	5		
STILLBIRTHS—Total	1	2	—	1	1	1	5	3	2	1	—	—	3	4	5	2	1	2	4	6	3	6	1	3	1	5	3	2	3	6	6	8		
Legitimate	1	2	—	1	1	1	4	3	2	1	—	—	3	4	5	2	1	1	4	6	3	5	1	3	1	4	2	2	3	4	6	8		
Illegitimate	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	—	1	—	1	—	—	2	—	—		
Deaths of Infants (under one year of age)	{	Total	1	2	1	—	—	1	6	3	4	6	1	2	1	1	3	3	2	2	5	1	6	6	2	1	6	3	4	3	4	2	1	4	
		Legitimate	1	2	1	—	—	1	5	3	4	6	1	1	1	1	3	3	2	2	4	—	6	6	2	1	5	3	4	3	4	2	1	3	
		Illegitimate	...	...	...	—	—	—	—	—	—	1	—	—	—	—	1	—	—	—	—	—	—	1	1	—	—	—	—	1	—	—	—	—	—	1
Deaths of Infants (under 4 weeks of age)	{	Total	—	2	—	—	—	1	4	3	3	4	1	2	—	1	2	2	—	—	1	1	4	5	1	—	4	2	4	2	3	1	1	4	
		Legitimate	—	2	—	—	—	1	4	3	3	4	1	1	—	1	2	2	—	—	1	—	4	5	1	—	3	2	4	2	3	1	1	3	
		Illegitimate	...	...	...	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	1	—	—	—	—	1	—	—	—	—	—	—	1
Deaths of Infants (under 1 week of age)	{	Total	—	2	—	—	—	1	3	2	3	4	1	2	—	1	1	1	—	—	1	—	4	4	1	—	4	2	4	2	3	1	1	3	
		Legitimate	—	2	—	—	—	1	3	2	3	4	1	1	—	1	1	1	1	—	—	1	—	4	4	1	—	3	2	4	2	3	1	1	2
		Illegitimate	...	...	...	—	—	—	—	—	—	—	—	—	—	—	1	—	—	—																

TABLE A (Rural)

CAUSES OF DEATH	Bucklow R.D.		Chester R.D.		Congleton R.D.		Disley R.D.		Maccles- field R.D.		Nantwich R.D.		Northwich R.D.		Runcorn R.D.		Tarvin R.D.		Tint- wistle R.D.	
	M. 102	F. 83	M. 218	F. 223	M. 127	F. 144	M. 25	F. 28	M. 172	F. 113	M. 187	F. 152	M. 234	F. 207	M. 238	F. 255	M. 88	F. 91	M. 8	F. 12
ALL CAUSES																				
1. Tuberculosis, Respiratory	—	—	1	—	—	1	—	—	—	—	1	—	2	—	—	—	—	—	—	—
2. Tuberculosis, Other	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. Syphilitic Disease	—	—	—	1	—	—	1	—	—	—	1	—	—	—	—	—	1	—	—	—
4. Diphtheria	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. Whooping Cough	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. Meningococcal Infections	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. Acute Poliomyelitis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. Measles	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Other Infective and Parasitic Diseases	—	—	—	—	—	—	—	—	—	—	1	—	—	—	1	—	—	—	—	—
10. Malignant Neoplasm, Stomach ...	2	—	5	5	4	1	—	1	2	3	4	3	8	6	5	6	2	2	—	—
11. Malignant Neoplasm, Lung Bronchus	5	2	13	5	5	2	3	—	5	1	6	4	12	3	16	3	6	4	—	—
12. Malignant Neoplasm, Breast	—	3	—	7	—	3	—	1	—	7	—	8	—	11	—	11	—	5	—	—
13. Malignant Neoplasm, Uterus	—	—	—	1	—	—	—	—	—	2	—	4	—	1	—	1	—	—	—	—
14. Other Malignant and Lymphatic Neoplasms	7	5	19	19	11	9	3	4	12	4	24	14	28	22	22	25	2	4	—	1
15. Leukaemia, Aleukaemia	2	—	—	1	—	—	—	—	1	—	1	2	—	1	2	2	—	—	—	—
16. Diabetes	—	1	2	1	1	1	—	—	—	—	—	—	2	4	1	4	1	—	—	—
17. Vascular Lesions of Nervous System	13	17	33	40	8	21	3	6	23	24	18	38	32	27	29	46	18	11	—	2
18. Coronary Disease, Angina	25	10	47	29	28	11	8	3	44	17	42	22	59	29	64	43	17	20	4	4
19. Hypertension with Heart Disease ...	5	1	3	6	2	2	—	1	1	1	2	2	1	3	7	4	1	—	—	—
20. Other Heart Disease	11	10	22	43	10	13	—	—	14	22	22	17	13	28	15	28	10	17	1	—
21. Other Circulatory Disease	5	6	10	11	4	7	4	7	7	3	14	5	6	12	11	27	3	4	—	1
22. Influenza	1	2	2	—	—	—	—	—	4	2	1	1	1	1	1	4	—	—	—	—
23. Pneumonia	2	4	23	17	—	7	—	—	9	4	6	7	8	6	13	12	6	2	1	2
24. Bronchitis	6	3	10	6	7	3	2	1	10	2	19	8	11	11	15	6	3	4	1	—
25. Other Diseases of Respiratory System	2	2	5	3	3	—	—	—	1	2	1	—	2	2	5	1	2	1	—	—
26. Ulcer of Stomach and Duodenum ...	—	1	1	1	1	—	—	—	1	—	—	—	3	1	2	—	1	1	—	—
27. Gastritis, Enteritis and Diarrhoea ...	—	—	—	2	—	—	—	—	—	1	—	—	1	3	—	1	1	—	—	—
28. Nephritis and Nephrosis	—	—	—	—	—	—	—	—	1	1	1	—	3	2	—	—	2	—	—	—
29. Hyperplasia of Prostate	—	—	3	—	—	—	—	—	2	—	—	—	2	—	3	—	—	—	—	—
30. Pregnancy, Childbirth, Abortion ...	—	—	—	1	—	2	—	—	—	—	—	—	—	—	—	1	—	—	—	—
31. Congenital Malformations	1	—	2	1	2	1	—	—	2	2	3	3	2	1	3	2	—	1	—	1
32. Other Defined and Ill-defined Diseases	8	14	6	18	34	59	1	3	25	10	10	11	22	21	12	16	8	11	1	—
33. Motor Vehicle Accidents	6	1	5	1	2	—	—	—	3	2	5	1	9	6	3	4	3	1	—	—
34. All Other Accidents	1	—	4	3	4	—	—	—	4	—	3	1	7	5	8	4	1	2	—	1
35. Suicide	—	1	1	1	—	1	—	1	1	3	2	—	—	1	—	4	—	1	—	—
36. Homicide and Operations of War ...	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
LIVE BIRTHS—Total	186	204	299	279	149	129	38	28	211	206	216	237	333	301	386	353	107	137	14	8
Legitimate	173	188	287	266	139	126	37	27	208	193	209	229	322	289	366	339	101	130	14	8
Illegitimate	13	16	12	13	10	3	1	1	3	13	7	8	11	12	20	14	6	7	—	—
STILLBIRTHS—Total	4	—	4	4	3	2	1	—	4	2	3	3	6	7	4	5	—	—	—	—
Legitimate	4	—	3	4	3	2	1	—	4	2	2	3	6	7	4	5	—	—	—	—
Illegitimate	—	—	1	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—
Deaths of Infants (under one year of age)	Total		3	3	5	3	5	—	—	—	3	1	5	4	11	5	5	8	—	2
Legitimate	3		3	3	5	3	5	—	—	—	3	1	4	4	10	4	4	7	—	2
Illegitimate	—		—	—	—	—	—	—	—	—	1	—	1	1	1	1	—	—	—	—
Deaths of Infants (under 4 weeks of age)	Total		2	3	1	1	3	—	—	—	3	—	2	3	7	5	5	7	—	—
Legitimate	2		3	1	1	3	—	—	—	—	3	—	2	3	7	4	4	6	—	—
Illegitimate	—		—	—	—	—	—	—	—	—	—	—	—	1	1	1	—	—	—	—
Deaths of Infants (under 1 week of age)	Total		2	3	1	1	2	—	—	—	3	—	1	3	7	5	4	6	—	—
Legitimate	2		3	1	1	2	—	—	—	—	3	—	1	3	7	4	3	5	—	—
Illegitimate	—		—	—	—	—	—	—	—	—	—	—	—	1	1	1	—	—	—	—

TABLE B

CAUSES OF DEATH	AGGREGATE OF URBAN DISTRICTS												AGGREGATE OF RURAL DISTRICTS											
	Total All Ages	Under 4 weeks	4 weeks and under 1 year	AGE IN YEARS									Total All Ages	Under 4 weeks	4 weeks and under 1 year	AGE IN YEARS								
				1—	5—	15—	25—	35—	45—	55—	65—	75 and over				1—	5—	15—	25—	35—	45—	55—	65—	75 and over
1. Tuberculosis, Respiratory ... M	16	—	—	—	—	—	—	1	2	7	6	—	4	—	—	—	—	—	—	—	1	2	1	
1. Tuberculosis, Respiratory ... F	5	—	—	—	—	—	—	—	2	1	1	1	1	—	—	—	—	1	—	—	—	—	—	
2. Tuberculosis, Other ... M	1	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
2. Tuberculosis, Other ... F	2	—	—	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—		
3. Syphilitic Disease ... M	10	—	—	—	—	—	—	—	1	6	2	1	3	—	—	—	—	—	1	—	2	—		
3. Syphilitic Disease ... F	8	—	—	—	—	—	—	—	—	—	—	8	1	—	—	—	—	—	—	1	—	—		
4. Diphtheria ... M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
4. Diphtheria ... F	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
5. Whooping Cough ... M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
5. Whooping Cough ... F	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
6. Meningococcal Infections ... M	2	—	1	1	—	—	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—		
6. Meningococcal Infections ... F	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
7. Acute Poliomyelitis ... M	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
7. Acute Poliomyelitis ... F	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
8. Measles ... M	1	—	—	—	1	—	—	—	—	—	—	—	1	—	—	1	—	—	—	—	—	—		
8. Measles ... F	1	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—		
9. Other Infective and Parasitic Diseases ... M	4	—	1	1	—	—	1	—	—	1	—	—	1	—	—	—	—	—	—	—	1	—		
9. Other Infective and Parasitic Diseases ... F	9	—	—	—	—	—	—	1	3	1	3	1	1	—	—	—	—	—	—	—	1	—		
10. Malignant Neoplasm, Stomach ... M	122	—	—	—	—	—	—	1	15	34	44	28	32	—	—	—	—	2	2	11	9	8		
10. Malignant Neoplasm, Stomach ... F	90	—	—	—	—	—	—	3	3	9	25	50	27	—	—	—	—	—	1	5	8	13		
11. Malignant Neoplasm, Lung, Bronchus ... M	335	—	—	—	—	—	—	11	44	100	137	43	71	—	—	—	—	2	7	25	26	11		
11. Malignant Neoplasm, Lung, Bronchus ... F	68	—	—	—	—	—	—	9	9	22	18	10	24	—	—	—	—	1	4	6	8	5		
12. Malignant Neoplasm, Breast ... M	1	—	—	—	—	—	—	—	—	—	—	1	—	—	—	—	—	—	—	—	—	—		
12. Malignant Neoplasm, Breast ... F	156	—	—	—	—	—	2	10	26	54	32	32	56	—	—	—	—	5	14	16	12	9		
13. Malignant Neoplasm, Uterus ... F	70	—	—	—	—	—	1	2	11	23	21	12	9	—	—	—	—	2	1	3	1	2		
14. Other Malignant and Lymphatic Neoplasms ... M	402	—	—	3	1	10	7	20	41	90	127	103	128	—	1	1	3	1	4	15	17	43		
14. Other Malignant and Lymphatic Neoplasms ... F	395	—	—	—	2	5	4	10	39	77	130	128	107	—	—	—	1	1	5	14	23	32		
15. Leukaemia, Aleukaemia ... M	20	—	—	3	1	1	1	—	2	4	7	1	6	—	—	1	—	—	—	—	2	3		
15. Leukaemia, Aleukaemia ... F	15	—	1	2	1	—	1	—	1	3	2	4	6	—	—	—	—	—	—	—	2	—		
16. Diabetes ... M	21	—	—	—	—	—	—	1	—	5	8	7	7	—	—	—	—	—	—	—	—	4		
16. Diabetes ... F	38	—	—	—	—	—	—	1	2	5	13	17	11	—	—	—	—	—	—	—	1	4		
17. Vascular Lesions of Nervous System ... M	601	—	—	—	2	—	2	9	23	109	169	287	177	—	—	—	—	—	2	7	24	51		
17. Vascular Lesions of Nervous System ... F	894	—	1	—	—	1	1	7	24	84	220	556	232	—	—	—	—	—	3	6	20	60		
18. Coronary Disease, Angina ... M	1162	—	—	—	—	1	2	36	120	344	356	303	338	—	—	—	—	1	10	26	84	124		
18. Coronary Disease, Angina ... F	792	—	—	—	—	1	1	7	25	109	237	412	188	—	—	—	—	—	1	7	15	63		
19. Hypertension with Heart Disease ... M	40	—	—	—	—	—	—	1	2	5	16	16	22	—	—	—	—	—	—	1	3	6		
19. Hypertension with Heart Disease ... F	86	—	—	—	—	—	—	—	2	9	25	50	20	—	—	—	—	—	—	—	3	10		
20. Other Heart Disease ... M	310	—	—	—	—	2	4	3	10	40	76	175	118	—	1	1	—	1	3	3	9	24		
20. Other Heart Disease ... F	508	—	—	—	—	1	1	9	17	29	110	341	178	—	—	—	—	1	2	6	18			
21. Other Circulatory Disease ... M	176	—	—	—	—	—	2	4	10	21	49	90	64	—	—	—	—	—	1	1	2			
21. Other Circulatory Disease ... F	215	—	—	—	—	3	3	2	3	22	40	142	83	—	—	—	—	—	1	1	—			
22. Influenza ... M	25	—	—	—	1	—	—	—	2	2	8	12	10	—	—	—	—	—	1	—	5			
22. Influenza ... F																								

TABLE C

SANITARY DISTRICTS	Population at Census, 1961	Estimated Population Mid 1966	Area in Acres 1966	Illegitimate Births	Still Births	Total Live Births	Live Birth Rate per 1,000 popltn.	Deaths	Death Rate per 1,000 popltn.	Deaths from						No. of Deaths under one year	Deaths under one year to 1,000 Births	No. of Deaths under four weeks	Deaths under four weeks to 1,000 Births	No. of Deaths under one week	No. of Deaths under one week to 1,000 Births	Medical Officers of Health and Divisional Medical Officers at 31st December, 1966
										Measles	Diphtheria	Whooping Cough	Gastritis, Enteritis & Diarrhoea	Deaths from Principal Zymotic Diseases	Principal Zymotic Diseases Death Rate							
Column Number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
MUNICIPAL BOROUGHS																						
Altrincham	41104	41130	3477	33	12	697	16.9	522	12.7	—	—	—	1	1	.02	14	20.1	11	15.8	8	11.5	Dr. E. H. Gordon Dr. H. C. Jennings Dr. L. Rich Dr. D. G. Crawshaw Dr. T. Holme Dr. W. A. Pollitt Dr. A. S. Darling Dr. W. R. Plews Dr. R. Stalker Dr. T. Holme
Bebington	52202	55140	12234	47	17	929	16.8	663	12.0	—	—	—	4	4	.07	17	18.3	14	15.1	13	14.0	
Congleton	16802	18150	5587	13	7	359	19.8	228	12.6	—	—	—	2	2	.11	4	11.1	4	11.1	4	11.1	
Crewe	53394	52600	4336	63	19	898	17.1	661	12.6	—	—	—	2	2	.04	25	27.8	17	18.9	17	18.9	
Dukinfield	17318	17150	1725	22	5	255	14.9	239	13.9	—	—	—	—	—	—	10	39.2	5	19.6	4	15.7	
Ellesmere Port	44714	51140	9144	63	15	1130	22.1	408	8.0	—	—	—	1	1	.02	26	23.0	16	14.2	13	11.5	
Hyde	31710	38740	4170	48	18	735	19.0	509	13.1	—	—	—	4	4	.10	14	19.0	9	12.2	9	12.2	
Macclesfield	37578	40210	4787	71	8	745	18.5	629	15.6	—	—	—	2	2	.05	9	12.1	7	9.4	5	6.7	
Sale	51317	54930	3629	49	9	1022	18.6	592	10.8	—	—	—	4	4	.07	12	11.7	9	8.8	8	7.8	
Stalybridge	21940	21710	3190	25	6	330	15.2	300	13.8	—	—	—	2	2	.09	9	27.3	6	18.2	6	18.2	
Total Municipal Boroughs	368079	390900	52329	434	116	7100	18.2	4751	12.2	—	—	—	22	22	.06	140	19.7	98	13.8	87	12.3	
URBAN DISTRICTS																						
Alderley Edge	3618	4020	702	5	2	60	14.9	68	16.9	—	—	—	—	—	—	2	33.3	2	33.3	1	16.7	Dr. J. A. Leitch Dr. L. Rich Dr. W. R. Plews Dr. E. H. Gordon Dr. T. W. Brindle Dr. J. A. Leitch Dr. E. H. Gordon Dr. T. W. Brindle Dr. D. R. Morris Dr. E. H. Gordon Dr. A. S. Darling Dr. R. Stalker Dr. T. W. Brindle Dr. F. Seymour Dr. R. K. Hay Dr. D. R. Morris Dr. F. Seymour Dr. J. L. Patterson Dr. L. Rich Dr. J. A. Leitch Dr. F. Seymour Dr. D. R. Morris
Alsager	7800	9780	2241	3	1	161	16.5	81	8.3	—	—	—	—	—	—	4	24.8	2	12.4	—	—	
Bollington	5642	5910	1442	5	3	105	17.8	86	14.6	—	—	—	—	—	—	—	—	—	—	—	—	
Bowdon	4478	4660	1090	6	1	54	11.6	66	14.2	—	—	—	—	—	—	—	—	—	—	—	—	
Bredbury and Romiley	21613	27200	4290	18	4	519	19.1	287	10.6	—	—	—	—	—	—	1	18.5	1	18.5	1	18.5	
Cheadle and Gatley	45599	53580	5299	48	10	1085	20.3	488	9.1	—	—	—	1	1	.04	7	13.5	6	11.6	5	9.6	
Hale	14800	16240	2264	15	—	241	14.8	170	10.5	—	—	—	5	5	.09	18	16.6	12	11.1	11	10.1	
Hazel Grove and Bramhall	29910	34050	5990	20	7	667	19.6	310	9.1	1	—	—	—	—	—	4	16.6	2	8.3	2	8.3	
Hoylake	32268	32580	5996	26	6	421	12.9	448	13.8	—	—	—	—	1	.03	12	18.0	8	12.0	8	12.0	
Knutsford	9389	10700	2485	7	3	162	15.1	207	19.3	—	—	—	1	1	.03	4	9.5	3	7.1	3	7.1	
Longdendale	4639	7800	3545	8	1	129	16.5	84	10.8	—	—	—	—	—	—	3	18.5	2	12.3	2	12.3	
Lymm	7330	8350	4241	5	2	159	19.0	94	11.3	—	—	—	—	—	—	1	7.8	—	—	—	—	
Marple	16278	22600	7130	10	3	413	18.3	231	10.2	—	—	—	—	—	—	1	6.3	1	6.3	1	6.3	
Middlewich	6833	7910	1971	7	—	167	21.1	76	9.6	—	—	—	1	1	.04	10	24.2	7	16.9	7	16.9	
Nantwich	10454	11140	1177	14	7	199	17.9	155	13.9	—	—	—	—	—	—	3	18.0	3	18.0	3	18.0	
Neston	11836	15120	8495	13	7	362	23.9	165	10.9	—	—	—	1	1	.09	2	10.1	1	5.0	1	5.0	
Northwich	19374	19240	2636	19	3	268	13.9	264	13.7	—	—	—	—	—	—	6	16.6	4	11.0	2	5.5	
Runcorn	26035	27720	3127	35	10	563	20.3	300	10.8	1	—	—	—	—	—	4	14.9	—	—	—	—	
Sandbach	9856	10870	3716	9	4	187	17.2	138	12.7	—	—	—	2	3	.11	6	10.7	2	3.6	1	1.8	
Wilmslow	21393	27820	7691	27	5	487	17.5	284	10.2	—	—	—	—	—	—	3	16.0	1	5.3	1	5.3	
Winsford	12738	17360	7094	12	9	393	22.6	178	10.3	—	—	—	—	—	—	7	14.4	6	12.3	6	12.3	
Wirral	21847	25370	5639	18	14	463	18.2	277	10.9	—	—	—	—	—	—	6	15.3	4	10.2	4	10.2	
Total Urban Districts	343730	400020	88261	330	102	7265	18.2	4457	11.1	2	—	—	11	13	.03	109	15.0	72	9.9	63	8.7	
RURAL DISTRICTS																						
Bucklow	17290	21240	46103	29	4	390	18.4	185	8.7	—	—	—	—	—	—	6	15.4	5	12.8	5	12.8	Dr. E. H. Gordon Dr. W. A. Pollitt Dr. L. Rich Dr. T. W. Brindle Dr. L. Rich Dr. R. K. Hay Dr. F. Seymour Dr. J. L. Patterson Dr. W. A. Pollitt Dr. A. S. Darling
Chester	28334	33320	43829	25	8	578	17.3	441	13.2	—	—	—	—	—	—	8	13.8	2	3.5	2	3.5	
Congleton	13997*	16140	38666	13	5	278	17.2	271	16.8	1	—	—	2	2	.06	5	18.0	3	10.8	2	7.2	
Disley	3172	3830	2208	2	1	66	17.2	53	13.8	—	—	—	—	—	—	—	—	—	—	—	—	
Macclesfield	23361	26240	72533	16	6	417	15.9	285	10.9	—	—	—	—	—	—	—	—	—	—	—	—	
Nantwich	27532*	30660	100888	15	6	453	14.8	339	11.1	—	—	—	1	1	.04	4	9.6	3	7.2	3	7.2	
Northwich	39612	40810	57014	23	13	634	15.5	441	10.8	—	—	—	—	—	—	9	19.9	5	11.0	4	8.8	
Runcorn	39950	43170	45552	34	9	739	17.1	493	11.4	—	—	—	4	4	.10	16	25.2	12	18.9	12	18.9	
Tarvin	14481	16070	62593	13	—	244	15.2	179	11.1	—	—	—	1	1	.02	13	17.6	12	16.0	10	13.5	
Tintwistle	1436	1460	11855	—	—	22	15.1	20	13.7	—	—	—	—	—	—	2	8.2	—	—	—	—	
Total Rural Districts	209165	232940	481241	170	52	3821	16.4	2707	11.6	1	—	—	9	10	.04	64	16.7	42	11.0	38	9.9	
Administrative County	920974	1023860	621831	934	270	18186	17.8	11915	11.6	3	—	—	42	45	.04	313	17.2	212	11.7	188	10.3	

*These are the 1961 census figures for the districts as constituted, 1966

